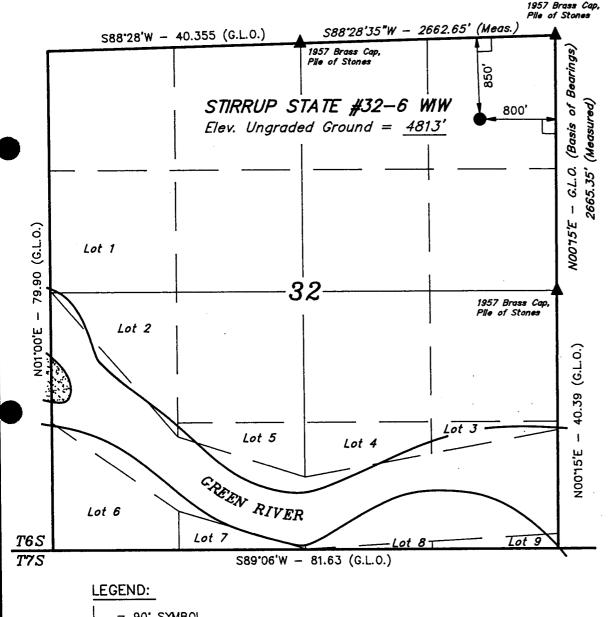
					5. Lea	ase Designation and Serial Number: ML - 22036
					6. If In	ndian, Allottee or Tribe Name:
	APPLICATION FOR PE	RMIT TO DRILL OR	DEEPEN		[
IA. Type of Work:	DRILL	DEEPEN			7. Unit	it Agreement Name
Type of troit.	D1 (102 K					-
1B. Type of Well:	OIL X GAS	OTHER:	SINGLE ZONE	MULTIPLE ZONE	8. Fan	m or Lease Name:
••					St	tirrup State
2. Name of Operator:					9. We	Il Number:
Snyder	r Oil Corporation		# 32-6			
. Address and Telepho	one Number:		eld and Pool, or Wildcat:			
1625 Bro	oadway, Suite 2200, Der	ver, CO 80202				rse Shoe Bend
Location of Well (Foo	otage):				11. Qtr	r/Qtr, Section, Township, Range, Meridian:
At Surfac	850' FNL, 800' FEL				NE/N	E, Sec. 32, T6S - R21E
At Surfac	000 THE, 000 TEE					,,
At Proposed Producir	ng Zone: Same					
	d direction from nearest town or p	ost office:			12. Co	
	es to Vernal, Utah		Lo North Control	. 1		tah UTAH
5. Distance to nearest			16. Number of acres in		17. Number of a	acres assigned to this well:
property or lease line			19. Proposed Depth:).1	20. Rotary or ca	40
18. Distance to nearest v	· -	1175' SOCO 32-1	7600'		1	
	for, on this lease (feet): ether DF, RT, GR, etc.):	1110 3000 32-1	1 900		Rotary 22. Ap	proximate date work will start:
4813' G						November 1, 1996
23.		ASING AND CEME	NTING PROGRAM			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PE		SETTING DEPTH		QUANTITY OF CEMENT
12-1/	8-5/8" J-55	32 & 24#		600'	390 s	x Class G
7-7/8"	5-1/2" J-55	17#		7600'	1380	sx
DECORUNE DOCUMENTO	DDOODAN. Kaaaaaalia ta da			annual new productive zene. H	proposal is to drill o	or deepen directionally, give pertinent data
	and measured and true vertical de			oposed new productive zone. 11	proposar is to drill o	or deeper directorially, give pertinent data
ort subsurface locations	and measured and true vertical di	spais. Give biomodi preve	inter program, it any.			
Evhibita	Attachad					
Exhibits	Attached:					
•	Drilling Program			150	DE OF	888
Surface	Use Plan			IIL		
Exhibits	A,B,C,D,E,F,G			llň		EIVEM
				1715	V	
Lease D	escpirtion:				1 SED 1	8 1996
T6S -R 2	21E:			- 1	1 05, 1	8 1996
Sec. 32:	Lot 1, N/2 NW/2, SE/NW,	NE/4, NE/SE, NE/S	W		L	1 1
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n.						
24.					<u> </u>	Olivela
Name & Signature:	Claro		<u> </u>	Title: Sr. Engeneu	riy lach	Date: 9/17/46
						
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Arı Number Assigned:	0-0	-	Approval:		•	/ /
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(1/93)		(See Instruc	tions on Reverse Side)	//		

T6S, R21E, S.L.B.&M.



= 90' SYMBOL

= PROPOSED WELL HEAD.

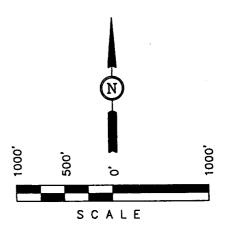
= SECTION CORNERS LOCATED. (Brass Caps)

SNYDER OIL CORP.

Well location, STIRRUP STATE #32-6 WIW, located as shown in the NE 1/4 NE 1/4 of Section 32, T6S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 32, T6S, R21E, S.L.B.&M. TAKEN FROM THE VERNAL SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIE

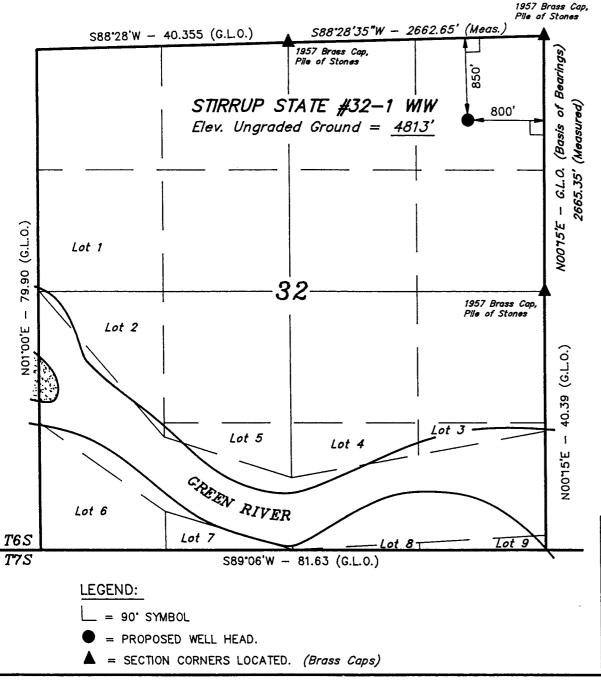
> REGISTERED LAND SURVEYOR REGISTRATION NO. 161319 STATE OF UTAH

Revised: 11-8-96 C.B.T.

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (801) 789-1017

SCALE 1" = 1000'		DATE SURVEYED: DATE DRAWN: 7-9-96 7-10-96		
PARTY B.B. M.C.	C.B.T.	REFERENCES G.L.O. PLA	AT	
WEATHER		FILE		
WARM		SNYDER OIL CORP.		

T6S, R21E, S.L.B.&M.

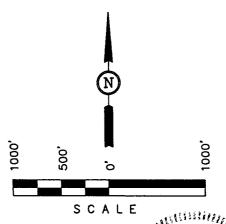


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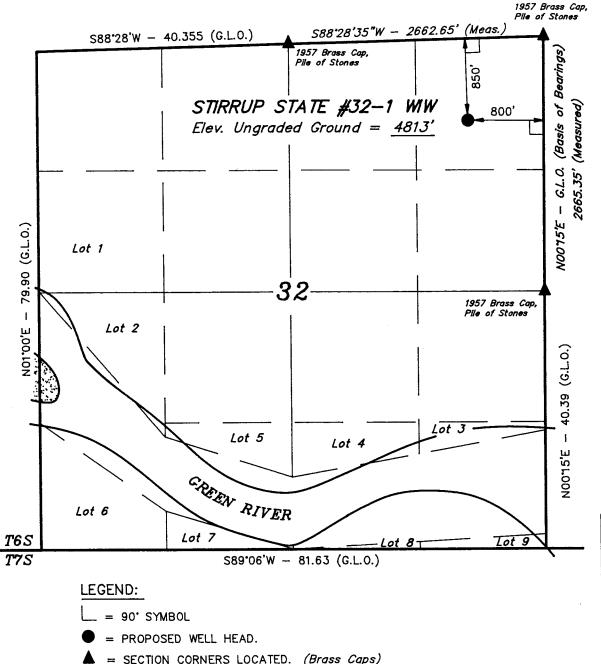
REGISTRATION NO. 161319

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WEATHER		FILE		
WARM		SNYDER OIL C	ORP.	

						5. Lease Designation and Serial Number:
						ML - 22036
						6. If Indian, Allottee or Tribe Name:
	APPLICATION FOR PE					
. Type of Work:	DRILL	DEEPEN				7. Unit Agreement Name
Type of Well:	OIL X GAS	OTHER:	SINGLE ZONE	MULTIPLE ZONE		8. Farm or Lease Name:
**		Stirrup State				
Name of Operator:	9. Well Number:					
Snyder	Oil Corporation	Attn. Joe	Mazotti 303-5	92-4643		# 32-6
Address and Telephone						10. Field and Pool, or Wildcat:
1625 Broa	adway, Suite 2200, Dei	rver, CO 80202				Horse Shoe Bend
Location of Well (Foota	ige):					11. Qtr/Qtr, Section, Township, Range, Meridian
At Surfac	850' FNL, 800' FEL					NE/NE, Sec. 32, T6S - R21E
At Proposed Producing	Zone: Same					
Distance in miles and	direction from nearest town or p	ost office:				12. County: 13. State:
	s to Vernal, Utah					Uintah UTAH
Distance to nearest			16. Number of acres in	lease:	17. Num	nber of acres assigned to this well:
property or lease line (f			399	.1		40
Distance to nearest we	ell, drilling,		19. Proposed Depth:		20. Rota	ary or cable tools:
completed, or applied f		1175' SOCO 32-1	7600'			Rotary
Elevations (show whet						22. Approximate date work will start:
4813' GR		MANING AND APPER	UTINO DECORATE			November 1, 1996
0175 05 1101 5	PROPOSED (CASING AND CEMEN WEIGHT PER		SETTING DEPTH		QUANTITY OF CEMENT
SIZE OF HOLE		32 & 24#	K-1	600'		390 sx Class G
12-1/	8-5/8" J-55				+	
7-7/8"	5-1/2" J-55	17#		7600'		1380 sx
Exhibits A 10 point I Surface L Exhibits A Lease De T6S -R 21	nd measured and true vertical d Attached: Drilling Program Jse Plan A,B,C,D,E,F,G scpirtion:	epths. Give blowout preve	nter program, if any.		C[SEP	EIVE 1 8 1950
me & Signature:	land _		<i></i>	Title: Sc. Engrece		GAS & MINING L Date: 9/17/46
nis space for State use	only)			7	,	
PI Number Assigned:	43-047-3218 2000 		Approval:	· S	.00	inlin
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T6S, R21E, S.L.B.&M.

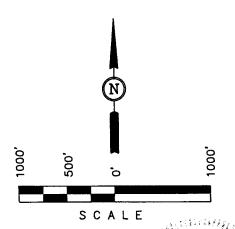


SNYDER OIL CORP.

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BASIS OF ELEVATION

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REGISTERED LAND SURVEYOR REGISTRATION NO. 161319

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (801) 789-1017

SCALE 1" = 1000'		DATE SURVEYED: DATE DRAWN: 7-9-96 7-10-96		
PARTY B.B. M.C.	C.B.T.	REFERENCES G.L.O. PLAT		
WEATHER		FILE		
WARM		SNYDER OIL C	ORP.	

SNYDER OIL CORPORATION Stirrup State # 32-6 NE/NE, Section 32, T6S - R21E Uintah County, Utah Lease No. ML - 22036

DRILLING PLAN

- 1. Geologic name of surface formation: Uinta
- 2. The estimated tops of important geologic markers:

Formation	Depth(ft)	Hydrocarbon Bearing	Mineral Zones	Bearing
Uinta	surface to 3700'	Yes		
Green River	3700'			
Dougas Creek	6600'	Yes		
Wasatch	7300'	Yes		
TD	7600'			

3. Anticipated BHP: 2000 psi

Anticipated Fracture Gradient: .60 psi/ft

All shows of fresh water and minerals will be reported and protected.

4. The proposed casing program, including the size, grade weight per foot and condition of each string:

Size	Тор	Bottom	Weight	Grade	Thread	Cond.
8-5/8"	0	600'	24 & 32#	J-55	STC	New
5-1/2"	0	7600'	17#	J-55	STC	New

All casing strings below the conductor shall be pressure tested to .22 psi/ft of casing string length or 1500 psi, which ever is greater but not to exceed 70% minimum internal yield.

CEMENT:

Approximate Volumes / Grades / Yields:

Surface String: Cement will be circulated to surface; estimated volume (180% of theoretical value): 390 sx Class G @ 15.8 ppg (1.15 ft³/sx).

Production String: Cement top will be at surface. Estimated volume (gauge hole + 30%): 1380 sx.

Actual volumes will be calculated and adjusted with caliper log and service company analysis prior to cementing. 10% excess will be pumped.

5. The minimum specifications for pressure control equipment which will be provided is included on the schematic diagram attached, showing size, pressure ratings testing procedures and testing frequency:

3000# BOP with 4-1/2" pipe rams 3000# BOP with blind rams 3000# Annular

Manifold includes appropriate valves, positive and adjustable chokes, kill line and gas separator to control abnormal pressures. BOP's will be pressure tested to full working pressure at installation and will be functionally cycled on each trip. After a period of one month and each following, assuming drilling operations are continuing, the BOP's will be tested.

All well control equipment shall be in accordance with onshore order #2, for 3M system.

Accumulator will have 160 gallon capacity with backup system to be run on rig air or bottled nitrogen. The accumulator will be hydraulically driven with primary power of gas or electric motor. Primary controls will be located off the drilling floor at ground level with backup controls on the accumulator.

Safety valve and subs will fit all drill string connections in use. One valve in kill line will be a check valve, in accordance with onshore order #2, for 3M systems.

Visual mud monitoring will be conducted during operations.

6. The type and characteristics of the proposed circulating medium to be employed for rotary drilling and the quantities and types of mud and weighing material to be maintained:

Top Int.	Bottom Int.	Туре	Weight (ppg)	Visc	рН	Water Loss	Remarks
0	600'	Spud	8.4 - 9.0	30 - 45+	8.0	NC	Gel&Lime as reqd.
600'	6000'	Wtr	8.4 - 8.6	27 - 35	8.5 - 9	NC	Min. Wt.
6000'	TD	Mud	8.6 - 10.4*	35 - 45	9.0-11.0	10- 15cc @TD	* Min Wt. to control formation pressure

(NC- no control)

Quantities of mud material will be maintained on site to increase mud weight if abnormal pressures are encountered.

- 7. The auxiliary equipment to be used:
 - a) Upper and lower kelly cocks.
 - b) An inside BOP on the floor with proper connections to fit the drill pipe and collars.
- 8. The testing, logging and coring program to be followed:

Logs: DIL/GR;

TD to surface casing

CNL/LDT/GR/CAL;

TD to 3000'

9. No anticipated abnormal pressures or temperatures expected to be encountered:

Anticipated bottom-hole pressures to range from .25 psi/ft to .32 psi/ft. No hydrogen sulfide expected.

10. The anticipated starting date and duration of the operation:

Starting Date:

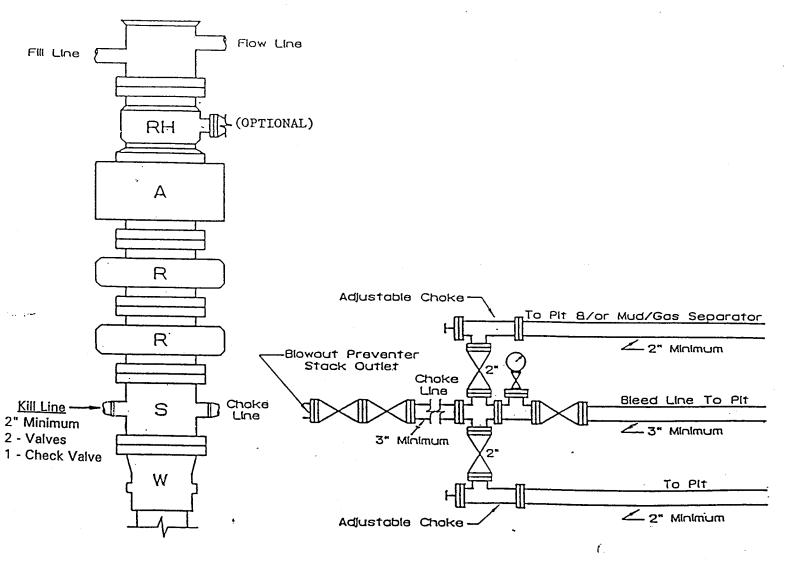
November 1, 1996

Duration:

20 days

DOUBLE RAM TYPE PREVENTERS (WITH ROTATING HEAD*

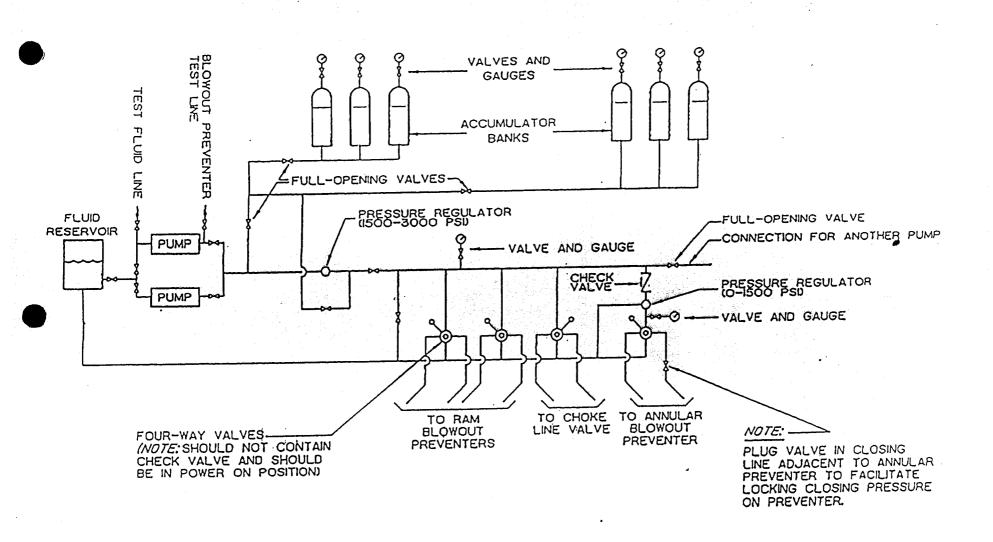
(3000 psl System)



* Note: Kill line shall be 2" minimum diameter and have two valves, one of which shall be a check valve (both valves - 2" minimum)

Minimum BOP Stack	_3000 psi Working Pressure
One Plpe Ram	3000 psi Working Pressure
One Blind Ram	_3000 psi. Working Pressure
One Annular	3000 psl Working Pressure
Well Head	3000 psl Working Pressure
Manifold	3000 psi Working Pressure
Rofatina Head *	psi Working Pressure

TYPICAL BLOWOUT PREVENTER CLOSING UNIT ARRANGEMENT



Surface Use Plan

Company: Snyder Oil Corporation Well Name: Stirrup State # 32-6

Location: NE/NE, Sec. 35, T6S - R21E Lease: ML - 22036

Uintah County, Utah

1. Existing Roads

A. The existing road is double lane road. (See Exhibits A&B).

- B. The existing roads will be maintained is as good or better condition than now exists, meeting standards listed in BLM Manual Section 9113 for a resource road.
- C. If the access road is dry during construction, drilling, and completion activities water the access road to help road compaction and minimize soil loss due to blowing dust.

2. Access Roads to be Constructed

- A. The new road will be completed as a single lane 16 foot subgrade road with no turnouts. (See Exhibit B)
- B. Gravel the travelway with a minimum of four inches (compacted depth) of 2-inch minus pit run gravel or crushed gravel prior to bringing production equipment onto the location.
- C. Construct the access road and associated drainage structures in accordance with BLM roading guidelines as stated in the BLM/USFS publication: <u>Surface Standards for Oil and Gas</u>
 Exploration and Development, Third Edition, January 1989.
- D. If the access road is dry during construction, drilling, and completion activities water the access road to help road compaction and minimize soil loss due to blowing dust.
- E. Road construction is to be monitored by a qualified individual agreed to by the authorized officer and the operator. Compaction of the subgrade with water and heavy equipment to a density higher than the surrounding subsurface is required during construction.
- F. Cattleguard:
 No cattleguard will be required.

G. Maintenance:

Operator shall regularly maintain the road in a safe, usable condition. A regular maintenance program shall include, but not be limited to, blading, ditching, culvert installation, drainage installation, surfacing, and cattleguards, as needed. Design, construction, and maintenance of the road will be in compliance with the standards contained in BLM Manual, Section 9113 (Roads), and in the "Gold Book", Oil and Gas Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition.

- 3. Location of existing wells: See Exhibit C
- 4. <u>Location of Existing and/or Proposed Production Facilities</u> within a 1-mile radius
 - A. Existing facilities:
 - 1. Tank batteries: <u>T6S R21E</u>: SW/4, Sec. 28; S/2, Sec. 29; NW/4, Sec. 31 E/2, Sec. 32; W/2, Sec. 33; NE/4. T7S R21E: NE/4, Sec. 5
 - 2. Production facilities: <u>T6S R21E</u>: SW/4, Sec. 28; S/2, Sec. 29; NW/4, Sec. 31 E/2, Sec. 32; W/2, Sec. 33; NE/4. <u>T7S R21E</u>: NE/4, Sec. 5
 - 3. Oil gathering lines: <u>T6S R21E</u>: SW/4, Sec. 28; S/2, Sec. 29; NW/4, Sec. 31 E/2, Sec. 32; W/2, Sec. 33; NE/4. <u>T7S R21E</u>: NE/4, Sec. 5
 - 4. Gas gathering lines. <u>T6S R21E</u>: SW/4, Sec. 28; S/2, Sec. 29; NW/4, Sec. 31 E/2, Sec. 32; W/2, Sec. 33; NE/4. <u>T7S R21E</u>: NE/4, Sec. 5
 - 5. Injection lines: None.
 - 6. Disposal lines: None.
 - B. New production facilities well be utilized:

Production Unit
Dehydrator
Meter Run
400 bbl Oil Tank
210 bbl Water Tank
500 Gallon Methanol Tank
Lines are to be 2" schedule 80 welded pipe

- C. Facilities are limited to existing drilling pad (Exhibit F).
- D. Containment berms will be installed to the following minimums: 18" wide on top, 36" wide at the base, and 24" tall. Width and length of berm will be sufficient to contain 110% of maximum stored volume. All produced water will be disposed of via truck transport to the Ball Disposal Pond. An "as built" drawing will be submitted with site security diagram.
- E. All above ground permanent structures (permanent means on-site for longer than 90 days) not subject to safety requirements shall be painted Desert Tan.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Location: Water will be hauled from the Green River by an approved commercial water hauler.

 All required state permits have been applied for and will be forward upon receipt.
- B. Method of transportation: Water is to be hauled by an approved commercial water hauler.
- C. Water well to be drilled: None.
- D. Water Pipeline None

6. SOURCE OF CONSTRUCTION MATERIALS

- A. Location: Native materials obtained during construction.
- B. From Federal or Indian lands: No Indian lands are involved.
- C. Where materials will be used: On location and access road.
- D. Access roads on Federal or Indian lands: No Indian lands are involved.

7. Methods of Handling Waste Disposal

All state and local laws and regulations pertaining to disposal of human and solid waste will be complied with.

- A/B. Cuttings and drilling fluids: Cuttings and drilling fluids will be contained in the reserve pit.
- C. Produced fluids: Tanks will be used for storage of produced fluids during testing. Fracture stimulation fluids will be flowed back into the reserve pit for evaporation.
- D. Sewage: Sewage will be contained in above ground storage tanks (Exhibit F). Upon completion of the project, sewage will be hauled to an approved sewage treatment facility for disposal.
- E. Burnable waste will be contained in a portable trash cage. This waste will be transported to a State approved waste disposal site upon completion of operations.
- F. Proper clean up of well site: Upon completion of drilling, all trash and litter will be picked up and placed in the trash cage. The reserve pit will be fenced on 3 sides during drilling and the 4th side will be fenced when drilling is completed. The reserve pit will remain fenced until dry, at which time it will be backfilled to depth of at least 5 feet of soil material.
- G. Hazardous Materials as listed in the Vernal, Utah Production office will be transported and utilized during the life of the well. Any spills will be handled as set out in SOCO's SPPC plan on file in the Vernal, Utah production office.

8. Ancillary Facilities: None

9. Wellsite Layout

- A. Drill pad cross sections, cuts and fills (see Exhibits E).
- B. Location of pits and stockpiles: See diagram (Exhibit D) for location of mud tanks, reserve pit, burn and trash pit, pipe racks, living facilities and soil material stockpiles.
- C. Pad orientation: See rig layout diagram (Exhibit F) for rig orientation, parking areas and access roads.
- D. O.S.H.A. requirements: Area needed to conduct the fracturing operations, if necessary, in a safe manner and in accordance with O.S.H.A. standards will be within the areas already disturbed or agreed upon at the presite examination.

- E. Surface Runoff: In order to divert surface runoff, a drainage ditch will be constructed around the upslope side of the well site.
- F. Construction activity will not be conducted using frozen or saturated soil material or Furing periods when watershed drainage is likely to occur.
- G. Confine all equipment and vehicles to the access road, pad and spoil and topsoil storage areas.
- H. Strip eight inches of topsoil from the wellpad and spoil storage area prior to any other construction activity.
- I. Compact the fill section of the pad that supports the drill rig and any other heavy equipment.

Flagging and Staking

Centerline road flagging: The proposed route of the new access road is flagged as shown on map (Exhibit B). Slope, grade and other control stakes will be placed as necessary to ensure construction in accordance with the road specifications. The cut and fill slopes and spoil storage areas will be marked with a stake as necessary. The tops of the stakes or laths shall be painted or flagged in a distinctive color. All boundary stakes and/or laths shall be maintained in place until final construction cleanup is completed. If stakes are disturbed, they shall be replaced before proceeding with construction.

Fences

Prior to the onset of drilling, a "stock tight" fence shall be installed on three sides of the reserve pit. This fence will be either (1) woven wire at least 28 inches high and within four inches of ground surface with two strands of barbed wire above the woven wire with 10-inch spacing, or (2) at least five strands of barbed wire spaced, starting from the ground, at approximately 6-, 8-, 10-, and 12-inch intervals. The fourth side of the reserve pit will be fenced after the drilling rig moves off the location.

Syphons

Install syphons, catchments, and absorbent pads to keep hydrocarbons produced by the drill rig from entering the reserve pit. Ensure that hydrocarbons and contaminated pads are disposed of in accordance with Wyoming DEQ requirements.

Reserve Pits

The reserve pit will be examined by the operator and the authorized officer after construction and prior to the addition of any fluids to determine if the materials are permeable and potentially capable of allowing transfer of pit contents to the groundwater. If permeable, supplemental pit lining will be required, such as bentonite clay or a membrane liner. The type of lining use will be mutually agreed to by the operator and the authorized officer.

Backfill reserve pit as soon as dry after drilling and completion operations are finished. If natural evaporation of the reserve pit is not feasible, alternative methods of drying, removal of fluids, or other treatment must be developed. If fluids will be disposed of by any method other than evaporation or hauling to a DEQ approved disposal pit, prior approval by the BLM is required. NOTE: If disposal involves proposed discharge or transport, Wyoming DEQ approval is necessary.

The reserve pit bottom and side walls shall be void of any sharp rocks that could puncture the liner.

If liner is required, then: Line the reserve pit prior to putting any fluids into it. The pit liner must have a mullen burst strength that is equal to or exceeds 300 pounds, a puncture strength that is equal to or exceeds 160 pounds, and grab tensile strengths that are equal to or exceeds 150 pounds. These are to be verified test results run according to ASTM test standards. In addition, the liner must be totally resistant to deterioration by hydrocarbons.

Liners must be installed over smooth fill subgrade which is free of pockets, loose rocks, or other materials which could damage the liner. Sand, sifted dirt, or bentonite are suggested.

Testing

If drilling fluids are transferred from this well to the next well in the drilling plan, then the fluids will be tested at the well logging stage of drilling operations using Wyoming DEQ Guideline 8 parameters. This water analysis standard is incorporated in a packet submitted by Western Environmental Services and Testing Inc. as part of their water analysis packages. Any other company doing water testing will also have to test for the elements listed in the Wyoming DEQ Guideline 8 parameters.

In order to ensure timely review of the water quality data, the operator is required to have a Wyoming DEQ approved firm contracted to conduct water samples, send a copy of water quality test results to the Pinedale BLM office at the same time that they are sent to the operator.

10. Plans for Reclamation of the Surface

- A. Rat and mouse holes shall be filled and compacted from bottom to top immediately upon release of the drilling rig from the location.
- B. Spread topsoil from the berms and/or storage piles along the road's cut and fill slopes. Do not block drainage ditches or culverts with topsoil and associated organic matter. Seed the topsoiled areas as stated below.
- C. Recontour the unused area of the pad, spread topsoil six inches deep, rip the area on the contour one ft. deep using ripper teeth set on one ft. centers. Seed the reclaimed area of the well pad and the access road cut and fill slopes as stated below.

Seeding

Seed mixture and application rates contained in the condition of approval will be applied.

Seed all disturbed areas using a drill equipped with a depth regulator. All seed must be drilled on the contour. Plant the seed between one- quarter and one-half inches deep. Seed all disturbed areas using a drill equipped with a depth regulator. All seed must be drilled on the contour. Plant the seed between one-quarter and one-half inches deep. Where drilling is not possible (too steep or rocky), broadcast the seed and rake or chain the area to cover the seed. If the seed mixture is broadcast, double the rate listed below. The seeding shall be repeated until a satisfactory stand, as determined by the Authorized Officer, is obtained. The first evaluation of growth will be made following completion of the first growing season after seeding.

Pure live seed (PLS) formula: % of purity of seed mixture times % germination of seed mixture = portion of seed mixture that is PLS.

Seeding will take place after September 1 and prior to ground frost.

11. LESSEE OR OPERATOR'S FIELD REPRESENTATIVE

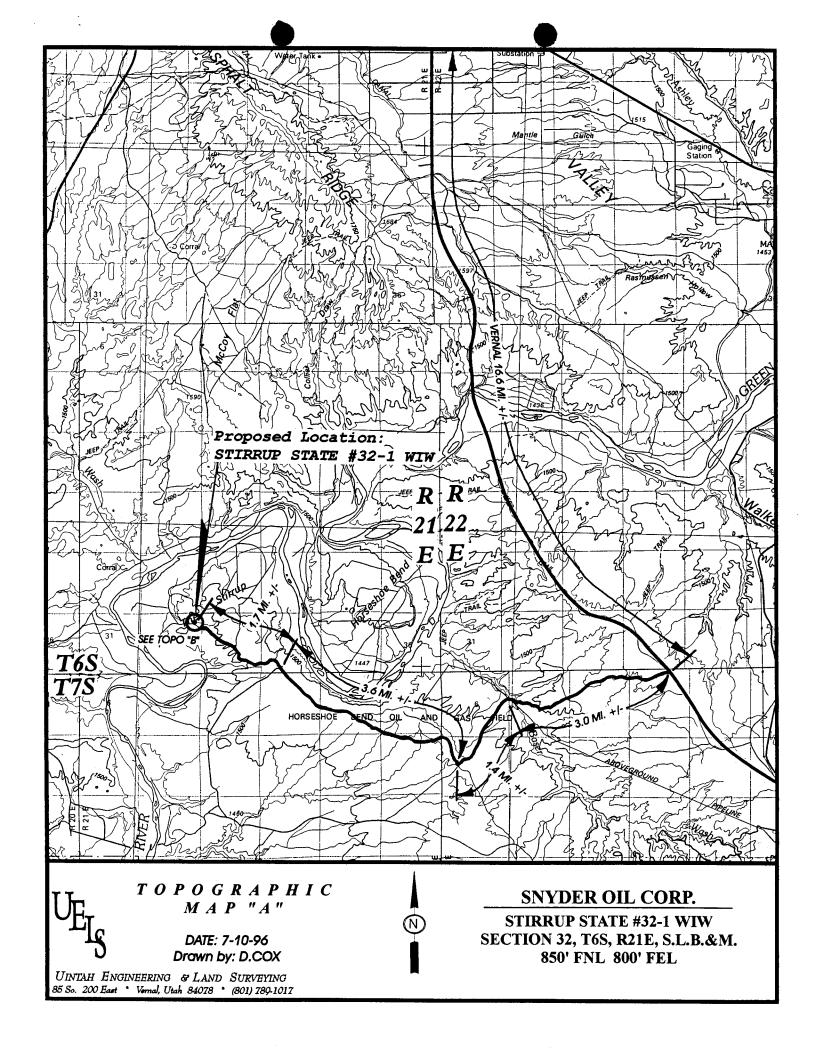
Operator
Joe Mazotti
Snyder Oil Corporation
1625 Broadway, Suite 2200
Denver, CO 80202
(303) 592-4643

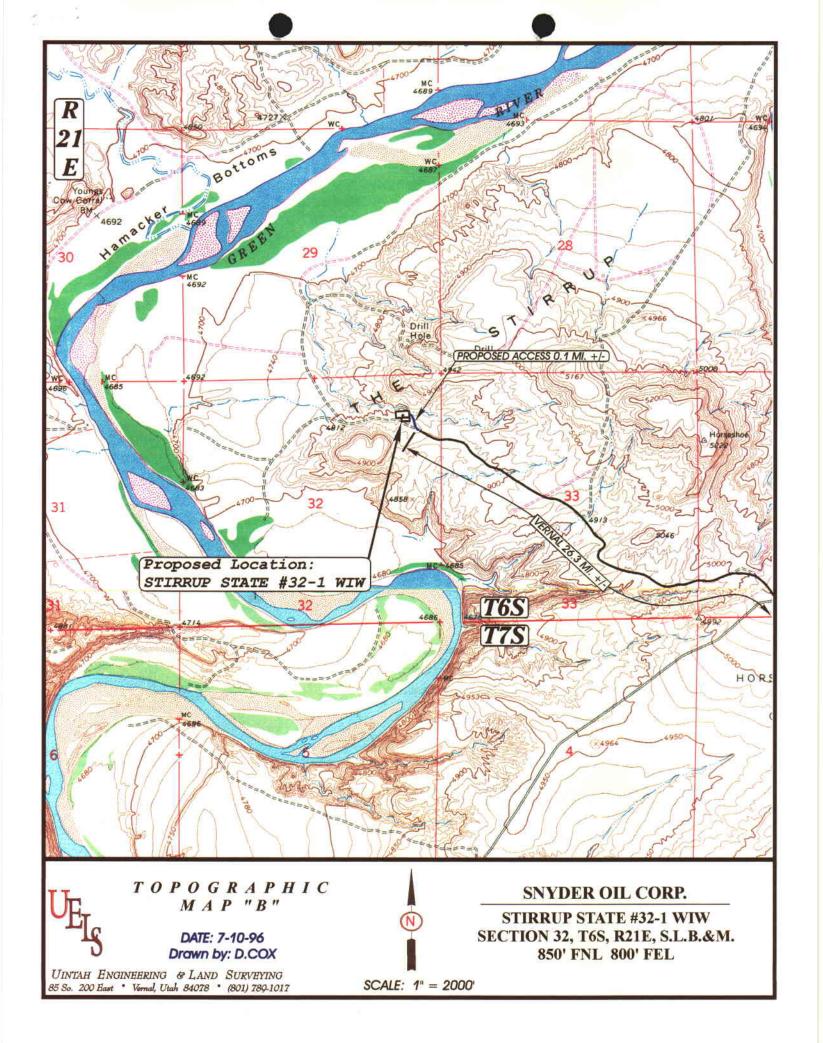
12. CERTIFICATION

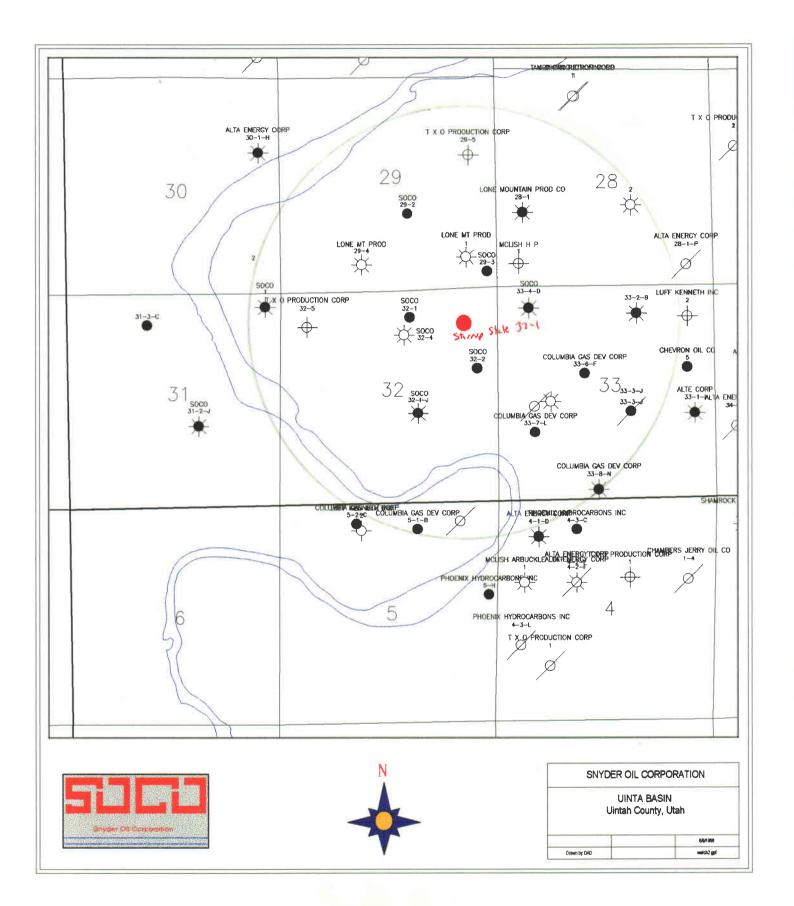
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Snyder Oil Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

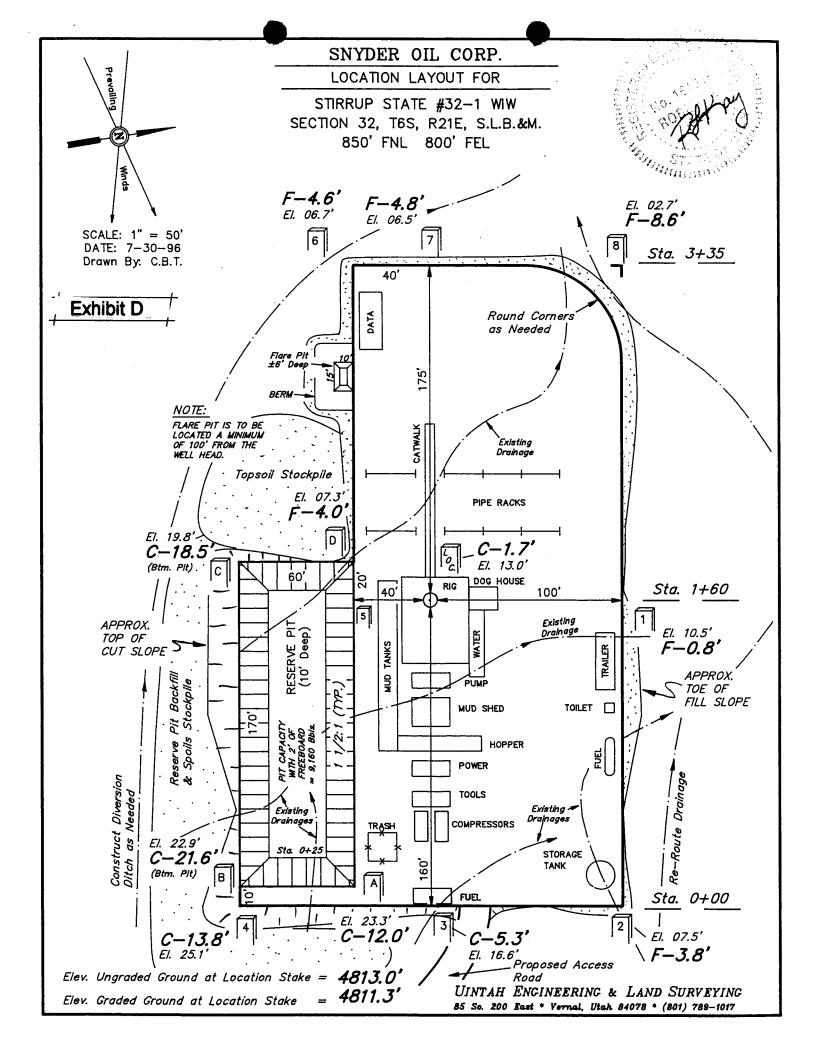
Date

Joe Mazotti, Sr. Engineering Tech.
Snyder Oil Corporation









SNYDER OIL CORP.

TYPICAL CROSS SECTIONS FOR

STIRRUP STATE #32-1 WIW SECTION 32, T6S, R21E, S.L.B.&M. 850' FNL 800' FEL



DATE: 7-30-96 Drawn By: C.B.T.

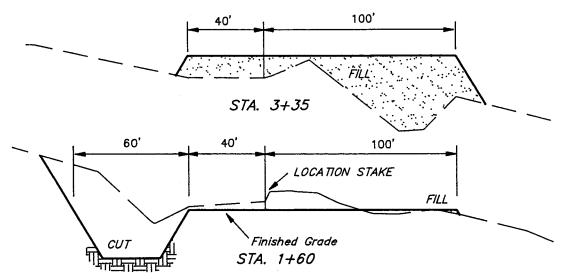
X-Section

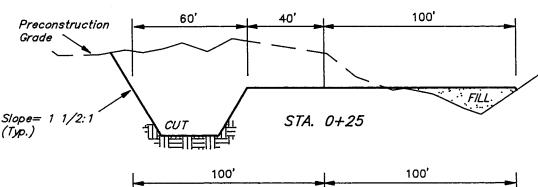
Scale

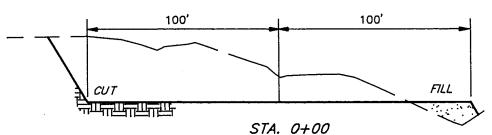
1" = 50'

20,

11







NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = 1,060 Cu. Yds. = 7,210 Cu. Yds. Remaining Location

TOTAL CUT = 8,270 CU.YDS.

= 5,600 CU.YDS. FILL

Exhibit E

EXCESS MATERIAL AFTER

5% COMPACTION

= 2,380 Cu. Yds.

Topsoil & Pit Backfill

= 2,380 Cu. Yds.

(1/2 Pit Vol.)

EXCESS CUT MATERIAL

Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING 85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

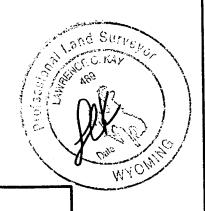
SNYDER OIL CORP.

TYPICAL RIG LAYOUT

STIRRUP STATE #32-1 WIW SECTION 32, T6S, R21E, S.L.B.&M. 850' FNL 800' FEL

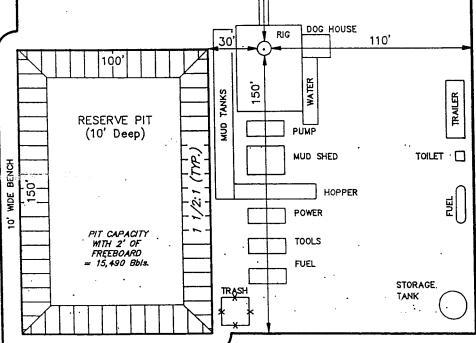
130'

SCALE: 1" = 50' DATE: 3-1-96 Drawn by: D.R.B.



NOTE:
FLARE PIT IS TO BE
LOCATED A MINIMUM
OF 125' FROM THE
WELL HEAD.

Flare Pit



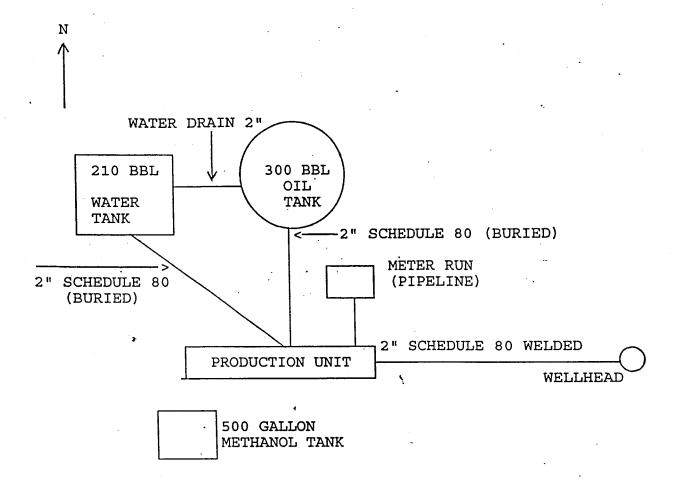
CATWALK

PIPE RACKS

Exhibit F

UINTAH ENGINEERING & LAND SURVEYING 85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

Exhibit G



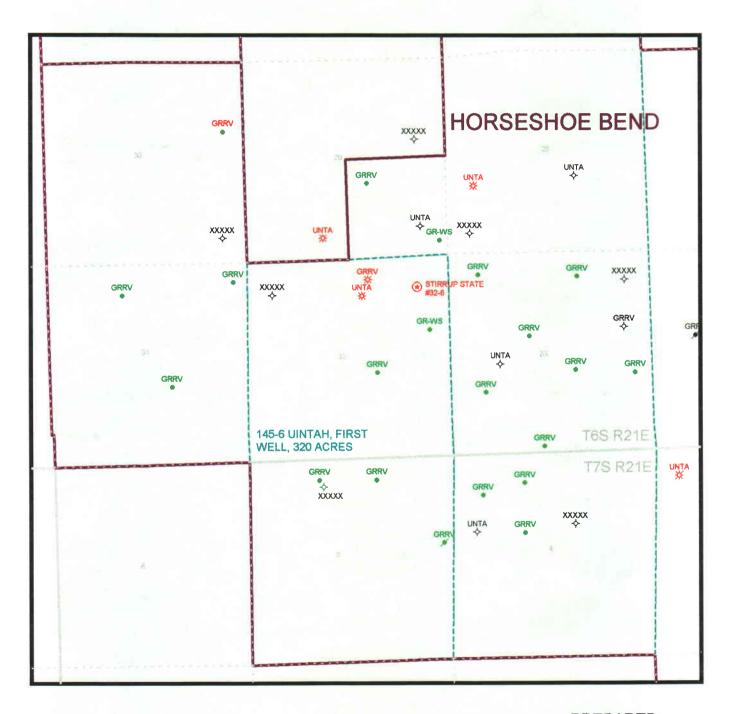
API NO. ASSIGNED: 43-047-32784 APD RECEIVED: 09/18/96 WELL NAME: STIRRUP STATE 32-6 OPERATOR: SNYDER OIL CORPORTION (N1305) INSPECT LOCATION BY: / / PROPOSED LOCATION: NENE 32 - T06S - R21E TECH REVIEW Initials Date SURFACE: 0850-FNL-0800-FEL BOTTOM: 0850-FNL-0800-FEL UINTAH COUNTY Engineering HORSE SHOE BEND FIELD (620) Geology LEASE TYPE: STA Surface LEASE NUMBER: ML-22036 PROPOSED PRODUCING FORMATION: WSTC LOCATION AND SITING: RECEIVED AND/OR REVIEWED: ✓ Plat R649-2-3. Unit: Bond: Federal [State [Fee [] ✓ R649-3-2. General. (Number N Potash (Y/N) ___ R649-3-3. Exception. N Oil shale (Y/N) N Water permit ___ Drilling Unit. (Number Board Cause no: _____ M RDCC Review (Y/N) Date: ____ (Date: _____ COMMENTS: STIPULATIONS:

OPERATOR: SNYDER OIL CORP. FIELD: HORSESHOE BEND (620)

SEC, TWP, RNG: 32, 6S, 21E

COUNTY: SAN JUAN

UAC: R649-3-2



PREPARED: DATE: 9-OCT-96

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: SNYDER OIL CORPORATION | Well Name: STIRRUP STATE 32-6

Project ID: 43-047-32784 | Location: SEC. 32 - T6S - R21E

Design Factors: Design Parameters: : 1.125 Collapse psi/ft : 0.540 Mud weight (10.40 ppg) : 1.00 Burst Shut in surface pressure : 3434 psi (J) : 1.80 8 Round Internal gradient (burst) : 0.088 psi/ft : 1.60 (J) Buttress Annular gradient (burst) : 0.000 psi/ft : 1.50 (J) Other Tensile load is determined using buoyed weight

Drift Cost Joint Depth Grade Weight Length Size (in.) (feet) (lb/ft) (in.) (feet) ST&C 7,600 4.767 J-55 17.00 1 7,600 5.500 Tension Min Int Yield Collapse Burst Strgth S.F. Load Strqth S.F. Strgth S.F. Load Load (kips) (kips) (psi) (psi) (psi) (psi) 108.65 229 2.11 J 1.30 5320 1.196 4106 4910 1 4106

Body Yield

(B)

: 1.50

Prepared by : MATTHEWS, Salt Lake City, Utah

Date : 09-18-1996

Service rating is "Sweet"

Remarks

WASATCH

Minimum segment length for the 7,600 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas

temperature of 127°F (Surface 74°F , BHT 180°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.540 psi/ft and

4,106 psi, respectively.

NOTE:

The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1987 pricing model. (Version 1.07)

Division of Oil, Gas and Mining

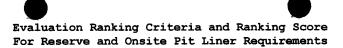
OPERATOR: SNYDER OIL CORP.
WELL NAME & NUMBER: STIRRUP STATE #32-6
API NUMBER: 43-047-32784
LEASE: ML-22036 FIELD/UNIT: HORSESHOE BEND
LOCATION: 1/4,1/4 <u>NE/NE</u> Sec: <u>32</u> TWP: <u>6S</u> RNG: <u>21E 850'</u> FNL <u>800'</u> FEL
LEGAL WELL SITING: 800 F SEC. LINE; 470 F 1/4,1/4 LINE;F ANOTHER WELL.
GPS COORD (UTM): 12621410E 4457429N
SURFACE OWNER: STATE OF UTAH
PARTICIPANTS DAVID W. HACKFORD (DOGM), BILL NYLAND (SNYDER OIL CORP.)
REGIONAL/LOCAL SETTING & TOPOGRAPHY SIGHT IS IN A SHALLOW DRAW WITH ROCKY SIDES RUNNING NORTHWEST TOWARDS THE GREEN RIVER. THE SITE IS ON A POINT OF LAND SURROUNDED BY THE GREEN RIVER WITH THE RIVER BEING WITHIN ONE MILE TO THE NORTH, WEST, AND SOUTH.
CURRENT SURFACE USE: MINIMAL LIVESTOCK AND WILDLIFE GRAZING.
PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 335' BY 200'.
LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: <u>SEE ATTACHED MAP</u> FROM GIS DATABASE.
LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION
FACILITIES WILL BE ON LOCATION. SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM THIS SITE DURING CONSTRUCTION AND IS NATIVE. ANCILLARY FACILITIES: NONE WILL BE REQUIRED
WASTE MANAGEMENT PLAN: DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO A LANDFILL. ANY AND ALL HAZARDOUS WASTES WILL BE DISPOSED OF OFFSITE AT AN APPROVED FACILITY.
ENVIRONMENTAL PARAMETERS
AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE. GREEN RIVER FLOOD PLAIN

IS 4000' FROM SITE.

FLORA/FAUNA: NATIVE GRASSES, CHEATGRASS, PRICKLY PEAR, SAGE,
SALTBRUSH. PRONGHORN, RODENTS, COYOTE, BIRDS.
SOIL TYPE AND CHARACTERISTICS: <u>LIGHT RED SANDY CLAY WITH STRINGERS OF</u> GRAY CLAY.
SURFACE FORMATION & CHARACTERISTICS: <u>UINTAH FORMATION, SOUTH FLANK OF</u> <u>UINTAH MOUNTAINS.</u>
EROSION/SEDIMENTATION/STABILITY: MINOR EROSION, MINOR SEDIMENTATION, NO STABILITY PROBLEMS ANTICIPATED.
PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.
RESERVE PIT
CHARACTERISTICS: 170' BY 60' AND 10' DEEP.
LINER REQUIREMENTS (Site Ranking Form attached): <u>A LINER WILL NOT BE</u> REQUIRED.
SURFACE RESTORATION/RECLAMATION PLAN
AS PER STATE OF UTAH, TRUST LANDS.
SURFACE AGREEMENT: STATE OF UTAH, TRUST LANDS.
CULTURAL RESOURCES/ARCHAEOLOGY: AN ARCHAEOLOGICAL INVESTIGATION HAS BEEN ORDERED AND WILL BE CONDUCTED BY METCALF ARCHAEOLOGICAL CONSULTANTS, INC. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.
OTHER OBSERVATIONS/COMMENTS
THE GREEN RIVER IS WITHIN ONE MILE OF THIS SITE.
ATTACHMENTS:
PHOTOS OF PROPOSED SITE WILL BE PLACED ON FILE.

DAVID W. HACKFORD DOGM REPRESENTATIVE

10/4/96 11:00 PM DATE/TIME



Site-Specific Factors	<u>Ranking</u>	Site Ranking
Distance to Groundwater (feet)		
>200 100 to 200	0 5	
75 to 100 25 to 75	10 15	
<25 or recharge area	20	0
Distance to Surf. Water (feet)		
>1000 300 to 1000	0 2	
200 to 300	10	
100 to 200 < 100	15 20	0
Distance to Nearest Municipal Well		
>5280 1320 to 5280	0 5	
500 to 1320 <500	10 15	0
	15	
Distance to Other Wells (feet) >1320	0	
300 to 1320 <300	10 20	0
Native Soil Type		
Low permeability Mod. permeability	0 10	
High permeability	20	0
Fluid Type Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000 TDS >10000 or Oil Base	15 20	
Mud Fluid containing high levels of hazardous constitues	nts	15
Drill Cuttings Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches) <10	0	
10 to 20	5	•
>20	10	0
Affected Populations <10	0	
10 to 30	6	
30 to 50 >50	8 10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown Present	10 15	0
Final Score (Level II Sensitivity)	15

Operator Name: SNYDER OIL CORP.
Name & Number: STIRRUP STATE #32-6
API Number: 43-047- 32784
Location: 1/4,1/4 <u>NE/NE</u> Sec. <u>32</u> T. <u>6S</u> R. <u>21E</u>
Geology/Ground Water:
The base of moderately saline water probably corresponds to approximately 3700 feet or the top of the Green River Formation. Fresh water may be encountered in sands throughout the Uinta Formation. The proposed casing and cement program should adequately protect any water encountered.
Reviewer:
Date: 10-08-96
Surface:
THE PRE-SITE INVESTIGATION OF THE SURFACE HAS BEEN PERFORMED BY FIELD PERSONNEL ON 10/3/96. ALL APPLICABLE SURFACE MANAGEMENT AGENCIES HAVE BEEN NOTIFIED AND THEIR CONCERNS ACCOMMODATED WHERE REASONABLE AND POSSIBLE. A LINER WILL NOT BE REQUIRED FOR THE RESERVE PIT AT THIS SITE, BUT THE DRAINAGE COMING FROM THE EAST MUST BE RE-ROUTED NORTH OF THE LOCATION. THIS PROPOSED WELL WAS ORIGINALLY NUMBERED THE 32-1, BUT IT WAS DISCOVERED THAT SNYDER ALREADY OPERATED A 32-1, SO THE NAME WAS CHANGED TO THE STIRRUP STATE #32-6.
Reviewer: DAVID W. HACKFORD
Date: 10/4/96

Conditions of Approval/Application for Permit to Drill:

- 1. THE RESERVE PIT MUST BE CONSTRUCTED SOUTH OF WELL.
- 2. THE DRAINAGE COMING FROM THE EAST MUST BE RE-ROUTED TO THE NORTH OF LOCATION.

Snyder Oil Corp. Stirrup State 3726 43-047-32784 perth Tark Hester Treater Cocation/ Berned Propose Tank G&S Engine Reserve Jack PIT

Access

STATE OF UTAH DIVISION OF OIL, BAS AND MINING CEMENTING OPERATIONS

WELL NAME: STIRRUP STATE 32-6 API NO: 43-047-32784
GTR/GTR. NE/NE SECTION. 32 TOWNSHIP. 55 RANGE 216
COMPANY NAME: SNYDER OIL CORP. COMPANY MAN BILL NYLAND
INSPECTOR: DAVID W. HACKFORD DATE: 11/17/96
CASING INFORMATION, SURFACE CASING, YES

812E. 8 5/8" GRADE. J-35 24L8 HOLE 817E. 12 1/4 DEPTH. 618"
t production that the control of the
PIPE CENTRALIZED THREE (MIDDLE FIRST JOINT, COLLAR SECOND AND
THIOU JOINT).
Have proper a constraint a management across approximation and account of the constraint of the constr
CEMENTING COMPANY: HALLIBURTON
(* English of the first of the
AMARINA ARMA ARMA MARINA ARMA MARINA
CEMENTING STAGES: SINGLE
SLURRY INFORMATION,
1. CLASS: "G" ADDITIVES: ST CAL CHLORIDE &
1/4# FLÖGELE
LEAD (400 SACKS TAIL)
2. SLURRY WEIGHT LDS. PER GALLON,
LEAD: 15.6 PPG TAIL:
3. WATER (GAL/GX)
LEAD, 5.2 GALLONS PER BACK TAIL, 1.16 YIELD
LEAD: 5.2 GALLONS PER BACK TAIL: 1,16 YIELD
LEAD, <u>5.2 GALLONS PER SACK</u> TAIL, 1,18 YIELD
LEAD: 5.2 GALLONS PER SACK TAIL: 1.16 YIELD CEMENT TO SURFACE: YES LOST RETURNS: NO
CEMENT TO SURFACE: YES LOST RETURNS: NO
CEMENT TO SURFACE: YES LOST RETURNS: NO
CEMENT TO SURFACE: YES LOST RETURNS: NO
CEMENT TO SURFACE: YES LOST RETURNS: NO 1 INCH INFORMATION: WEIGHT: CEMENT TO SURFACE: FEET: SX: CLASS: CACLX: RETURNS:
CEMENT TO SURFACE: YES LOST RETURNS: NO 1 1NCH INFORMATION: WEIGHT: CEMENT TO SURFACE: FEET: SX: CLASS: CACLX: RETURNS: ADDITIONAL COMMENTS: HOLE CIRCULATED THROUGHOUT CEMENT JOB.
CEMENT TO SURFACE: YES LOST RETURNS: NO 1 INCH INFORMATION: WEIGHT: CEMENT TO SURFACE: FEET: SX: CLASS: CACLX: RETURNS: ADDITIONAL COMMENTS: HOLE CIRCULATED THROUGHOUT CEMENT JOB. RUSGER PLUG BUMPED AT 5:40 AM. WATCHED CEMENT AT SURFACE FOR 20
CEMENT TO SURFACE: YES LOST RETURNS: NO 1 1NCH INFORMATION: WEIGHT: CEMENT TO SURFACE: FEET: SX: CLASS: CACLX: RETURNS: ADDITIONAL COMMENTS: HOLE CIRCULATED THROUGHOUT CEMENT JOB.

Michael O. Leavitt Ted Stewart **Executive Director** James W. Carter

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340 801-359-3940 (Fax) Division Director 801-538-5319 (TDD)

October 10, 1996

Snyder Oil Corporation 1626 Broadway, Suite 2200 Denver, Colorado 80202

Stirrup State 32-6 Well, 850' FNL, 800' FEL, NE NE, Sec. 32, 6 S., R. 21 E., Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. API identification number assigned to this well is 43-047-32784.

Sincerely,

Associate Director

lwp

Enclosures

Uintah County Assessor

Bureau of Land Management, Vernal District Office



Operator: _		Snyder Oil Corporation						
Well Name & 1	Stirrup State 32-6							
API Number:		43-04	7-3278	4				
Lease:		ML-22	036					
Location:	NE NE	Sec.	32	т.	6 S.	R.	21 E.	

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

- 3. Reporting Requirements
 - All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.
- 4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis dated October 8, 1996 (copy attached).

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

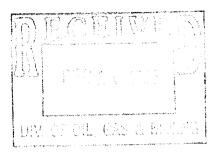
Name of Company: SNYDER OIL CORP.
Well Name: STIRRUP STATE 32-6
Api No. 43-047-32784
Section 32 Township 6S Range 21E County UINTAH
Drilling Contractor
Rig #:
SPUDDED:
Date: 11/14/96
Time:
How: DRY HOLE
Drilling will commence:
Reported by: D. HACKFORD
Telephone #:
Date: 11/14/96 Signed:JLT



Snyder Oil Corporation

P.O. Box 695 Vernal, Utah 84078 801/789-0323

December 11, 1996



State of Utah Utah State Division of Oil Gas & Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801

RE: Entity Action Form Stirrup State 32-6

SENE Section 32, T6S, R21E Uintah County, Utah

Gentlemen:

Enclosed is a copy of the "Entity Action Form" - Form 6 above referenced well. If you have any questions, please contact me at 801-789-0323.

Sincerely,

Lucy Nemec Senior Clerk

cc: Denver

DIVISION OF OIL, GAS AND MINING

Di	VISION OF OIL GAS AND		_	5. Lease Designation and Serial Number:			
				ML-22036			
SUNDRY N	IOTICES AND REPOF	RTS C	N WELLS	6. If Indian, Allottee or Tribe Name:			
Do not use this form for proposal	is to drill new wells, deepen existing wells, o	r to reenter	plugged and abandoned wells.	7. Unit Agreement Name:			
Use APPLICA	TION FOR PERMIT TO DRILL OR DEEPEN F	orm for suc	in proposals.	8. Welt Name and Number:			
I. Type of Well: OIL GAS G	OTHER:		no der noon was na engelemen op goet egalantispeng with our over som our or now was treated telephonespecially	Stirrup State #32-6			
				9. API Well Number:			
Name of Operator: Snyder Oil Corpora	+ion			43-047-32784			
3. Address and Telephone Number:	<u> </u>			10. Field and Pool, or Wildcat:			
P.O. Box 695, Vern	al. UT 84078		<u> </u>	Horseshoe Bend			
4. Location of Well 850' FNL 80	•		7.77	county: Uintah			
Footages:	0 1 11	1 0497	en e				
	tion 32, T6S, R21E.	<u> </u>	of the eas & Mario	State: Utah			
11. CHECK APPROI	PRIATE BOXES TO INDIC	ATE N	ATURE OF NOTICE, REPO	ORT, OR OTHER DATA			
NOTICE	E OF INTENT		SUBSE	QUENT REPORT t Original Form Only)			
(Subm	it in Duplicate)		□ Abandan*	☐ New Construction			
☐ Abandon	☐ New Construction		☐ Abandon * ☐ Repair Casing	Pull or Alter Casing			
☐ Repair Casing	☐ Pull or Alter Casing		Change of Plans	☐ Reperforate			
☐ Change of Plans	☐ Recomplete		1	☐ Vent or Flare			
☐ Convert to !njection	☐ Reperforate		Convert to Injection	☐ Water Shut-Off			
☐ Fracture Treat or Acidize	☐ Vent or Flare		Fracture Treat or Acidize				
☐ Multiple Completion	☐ Water Shut-Off		Other Spud				
Other							
			Date of work completion	the state of the section of WELL			
Approximate date work will start			Peport results of Multiple Completions and Recompletions to different reservoirs on WELL. COMPLETION OR RECOMPLETION REPORT AND LOG form.				
			* Must be accompanied by a cement ver				
12 DESCRIBE PROPOSED OR COMPLETED	OPERATIONS (Clearly state all pertinent de	tails, and (give pertinent dates. If well is directionally dril	iled, give subsurface locations and measured and true			
vertical depths for all markers and zones	betaleur in this work)						
on 11/16/96 at 5:30 24# casing were run 1/4#/sx Flowseal 15	to 618' and cemented .6 ppg; circulated 1	to s 2 bbl	urface w/400 sxs of C				
Cementing was witne and Mining.	ssed by David Hackio	ru wi	the state of sound				
13.							
T	n Nemer		Title: Senior Cl	lerk <u>Date: 12/13/96</u>			
Name & Signature:							
			•				
(This space for State use only)							

•	Ţ
	1

	5. Lease (Designation and Serial Number:
		IL-22036
SUNDRY NOTICES AND REPORTS (n, Allottee or Tribe Name:
Do not use this form for proposals to drill new wells, deepen existing wells, or to reents Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for su	plugged and abandoned wells.	reement Name:
		ame and Number:
1. Type of Well: OIL GAS OTHER:		rup State #32-6
2. Name of Operator:		it Number:) 47 – 32784
Snyder Oil Corporation		and Pool, or Wildcat:
3. Address and Telephone Number:	The same was the contract of the same and th	seshoe Bend
P.O. Box 695, Vernal, UT 84078	Company of the Compan	
4. Location of Well 850' FNL 800' FEL Footages:	DIV. OF THE CAS & PLANTS COUNTY:	Uintah
QQ, Sec.,T.,R.M.: NE/NE Section 32, T6S, R21E.	State:	Utah
11. CHECK APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPORT, OR	OTHER DATA
NOTICE OF INTENT	SUBSEQUENT RE	-
(Submit in Duplicate)	(Submit Original Form	Only)
☐ Abandon ☐ New Construction	☐ Abandon	ew Construction
Pull or Alter Casing	☐ Repair Casing ☐ P	uil or Alter Casing
☐ Change of Plans ☐ Recomplete		eperforate
Convert to Injection Reperforate		ent or Flare
Fracture Treat or Acidize		/ater Shut-Off
☐ Multiple Completion ☐ Water Shut-Off	🖸 Other <u>Weekly Drilling upd</u>	atd
Other	·	
·	Date of work completion	
Approximate date work will start	Report results of Multiple Completions and Recomplet COMPLETION OR RECOMPLETION REPORT AND LOC	itions to different reservoirs on WELL. 3 form.
	* Must be accompanied by a cement verification report.	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and g	I. ve pertinent dates. If well is directionally drilled, give subsur	face locations and measured and true
vertical depths for all markers and zones pertinent to this work;		
11/17/96: NU BOP's and test to 3000 psi for 1 Test good. Drill to 1600'.	O min. Test good. Test csg	; to 1500 psi.
11/18/96- 11/29/96: Drilled to 6897. Core from 6897'-	6953'.	
11/30/96- 12/1/96: Drill to TD @ 7287'. RU Schlumberg Compensated Lithodensity and Micro	er and run logging program olog.	consisting of AIT,
13.	тіце: Senior Clerk	Deite: 12-18-96
Name & Signature:		

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DIVISION OF OIL, GAS AND MINING

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L. Type of Welk OIL				7. Unit Agreement Name:			
L. Type of Week: OIL Q GAS OTHER: 2. Name of Ceptrature: Snot Of	Do not use this form for prop Use APPI	osals to drill new wells, deepen existing wells, or to reer LICATION FOR PERMIT TO DRILL OR DEEPEN form for	such proposals.				
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News of Total Corporation	CILLY GAS						
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Country: Uintah State: Utah Country: Uintah State: Utah	· ·	7 UT 04079	To control of the con	Horseshoe Bend			
Conserved to Injection Percent or Fracture Treat or Acidize Water Shut-Off		•	HE LEVE STEEL P				
**************************************	000 1112	800' FEL		county: Uintah			
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WOC 13.	12/2/96: RIH w/17 Pumped 20 bbls of Halad 322, 2% Gel, w/60 bbls of fresh DV opening bomb. cement set. Pumpe Poz @ 13.4 PPG.	2 jts. of 5-1/2" 15.5# WC mud flush followed by 500 3% KCL and 3#/sx Silical water followed by 108 bb Successfully opened DV to ed second stage starting w Oropped plug and began dis	ite at 13.4 PPG slurry ls of mud. Bumped plu ol and circulated 5-1//20 bbls mud flush fol placement. Lost retur	Dropped plug and displac g, plug held ok. Dropped 2 hrs while first stage lowed by 1230 sxs of 50/50			
Title: Senior Clerk Date: 12-18-96		#7 at 2:00 a.m. 12/3/96					
	\mathcal{L}) Nome	Title: Senior C	lerk			
	(This space for State use only)	•					



STATE OF UTAH	
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	5. LEASE DESIGNATION AND SERIAL NO. ML-22036
SUNDRY NOTICES AND REPORTS OF	N WELLS 6. IF INDIAN, ALLOTTEE OR TRIBAL NAME
(Do not use this form for proposals to drill or to deepen or plug bacik to a different r Use "APPLICATION FOR PERMIT-" for such proposals.)	
Use "APPLICATION FOR PERMIT-" for such proposals.)	7. UNIT AGREEMENT NAME
OIL GAS WELL OTHER	N/A
WELL X WELL OTHER 2. NAME OF OPERATOR	8. FARM OR LEASE NAME
SNYDER OIL CORPORATION	Stirrup State
3. ADDRESS OF OPERATOR P.O. Box 695, Vernal, UT 84078 801-789-0323	9. WELL NO. 32-6
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirement	ents.* 10. FIELD AND POOL, OR WILDCAT
See also space 17 below.) At surface	Horseshoe Bend
850' FNL 800' FEL NE/NE	11. SEC., T., R., M., OR BLK. AND
OON LIJU ONG LED TJENTIN	SURVEY OR AREA
	Section 32, T6S, R21E 12. COUNTY OR PARISH 13. STATE
14. API NUMBER 15. ELEVATIONS (Show whether DF, RT, or	GR, etc.)
43-047-32784 4813' GR Check Appropriate Box To Inidcate Nature of Not	Olitali
16. Check Appropriate Box To Indicate Nature of Notice OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF REPAIRING WELL
FRACTURE TREAT MULTIPLE COMPLETE	FRACTURE TREATMENT ALTERING CASING SUCCEING OF ACTIVITIES ABANDONMENT*
SHOOT OR ACIDIZE ABANDON*	SHOOTING OK ACIDIZATO
REPAIR WELL CHANGE PLANS	(OTHER) First production
(OTHER) Dispose of prod. wtr	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent oproposed work. If well is directionally drilled, give subsurface locations and measured an 	details, and give pertinent dates, including estimated date of starting any
Snyder Oil Corporation reports the above reference on 1/21/97.	d well was placed on production at 3:00 p.m.
	DIECEIVE JAN 27 1997 DIV. OF OIL, CAS & MINING
18. I hereby certify that the foregoing is true and correct SIGNED TITLE TITLE	_ Senior Clerk DATE: January 24, 1997
(This space for Federal or State office use)	

TITLE_

APPROVED BY_______CONDITIONS OF APPROVAL, IF ANY:

DATE__

FORM 3160-5 (June 1990)

Approved by

Conditions of approval, if any:

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	FORM APPROVED
	Budget Bureau No. 1004-0135
	Expires: March 31, 1993
7	Lease Designation and Serial No.

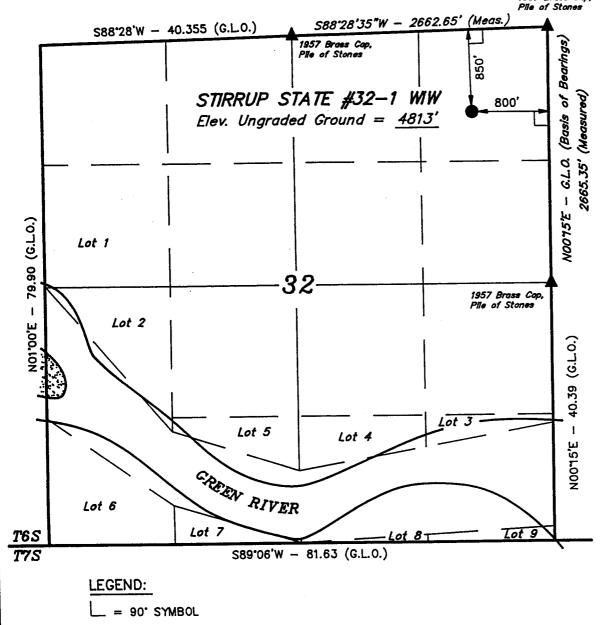
Date

ML-22036 SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry a different reser 6. If Indian, Allottee or Tribe Name Use "APPLICATION FOR PERMIT -" for such proposals 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well 8. Well Name and No. n 3 1997 Gas Oil STIRRUP STATE #32-6 Well Other Well 9. API Well No. 43-047-32784 2. Name of Operator DIV. OF OIL. GAS & MINING 10. Field and Pool, or Exploratory Area SNYDER OIL CORPORATION HORSESHOE BEND 3. Address and Telephone No. 11. County or Parish, State 1625 Broadway, Suite 2200, Denver, CO 80202 TINTAH 4. Location of Well (Footage, Sec., T., R., m., or Survey Description) UTAH 850' FNL 800' FEL NE/NE SECTION 32, T6S, R21E CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHE 12. TYPE OF ACTION TYPE OF SUBMISSION Change of Plans Abandonment Notice of Intent **New Construction** Recompletion Non-Routine Fracturing Plugging Back Subsequent Report Water Shut-Off Casing Repair Conversion to Injection Altering Casing Final Abandonment Notice Dispose Water lote: Report results of mu tion or Recompletion Report and Lo 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direct ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* Snyder Oil Corporation report the following activity on the above referenced well: 1/21/97 - 2/20/97: Produced K-4 interval. Rod pump stopped pumping. Made a pump change. 2/21/97 - 3/31/97: Produced K-4 interval. Completed a 21 day pressure buildup. 4/1/97 - 4/11/97: Set tbg retrievable BP @ 7075'. Perforated the K-3 interval 4 JSPF, 90 phased F/ 7000' - 17', 7026' - 30', 7042' - 45', and 7050' - 55' (120 holes). Frac'd K-3 interval w/ 16,842 gal borate gel and 46,170 lbs of 20/40 mesh sand. Flowed & swabbed back load water. Ran Prod Tbg and rods to 7055'. Returned well to production from K-3 interval only 4/12/97 - 5/1/97: Produced K-3 interval independently. 5/2/97 - 5/8/97: Set tbg retrievable BP @ 6990'. Perf'd the K-2 interval, 4 JSPF, 90 degree phased F/ 6899' - 902', 6918' - 39', and 6961' - 66' (119 holes). Frac'd K-2 interval with 17,136 gal borate gel and 46,350 lbs of 20/40 mesh sand. Flowed & swabbed load water back. Ran prod tbg & rods to 6932'. Returned well to production from K-2 interval only. 5/9/97 - 6/8/97: Produced K-2 interval only. Completed 14 day pressure buildup test 6/9/97 - 6/14/97: Pulled all retrievable bridge plugs to commingle K-4, K-3, & K-2. Ran prod tbg and rods to 7170'. Returned well to production. 6/14/97 - 9/19/97: Produced commingled K-4, K-3, & K-2 zones. Commingled prod. averages: 17 BOPD and 35 BWPD, w/ 50 psi csg pressure. 14. I hereby certify that th 24-Sep-97 Title Sr. Operations Engineer Signed

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudu statements or representations as to any matter within its jurisdiction.

Title

T6S, R21E, S.L.B.&M.



= PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED. (Brass Caps)

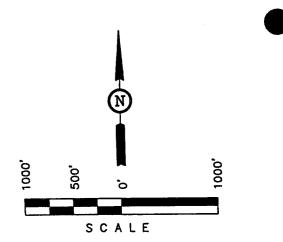
SNYDER OIL CORP.

Well location, STIRRUP STATE #32-1 WW, located as shown in the NE 1/4 NE 1/4 of Section 32, T6S, R21E, S.L.B.&M. Uintah County, Utah.

1957 Brass Cap.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 32, T6S, R21E, S.L.B.&M. TAKEN FROM THE VERNAL SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.



THIS IS TO CERTIFY THAT THE ABOVE PLAT. WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO
BEST OF MY KNOWLEDGE AND BEST NO. 161319

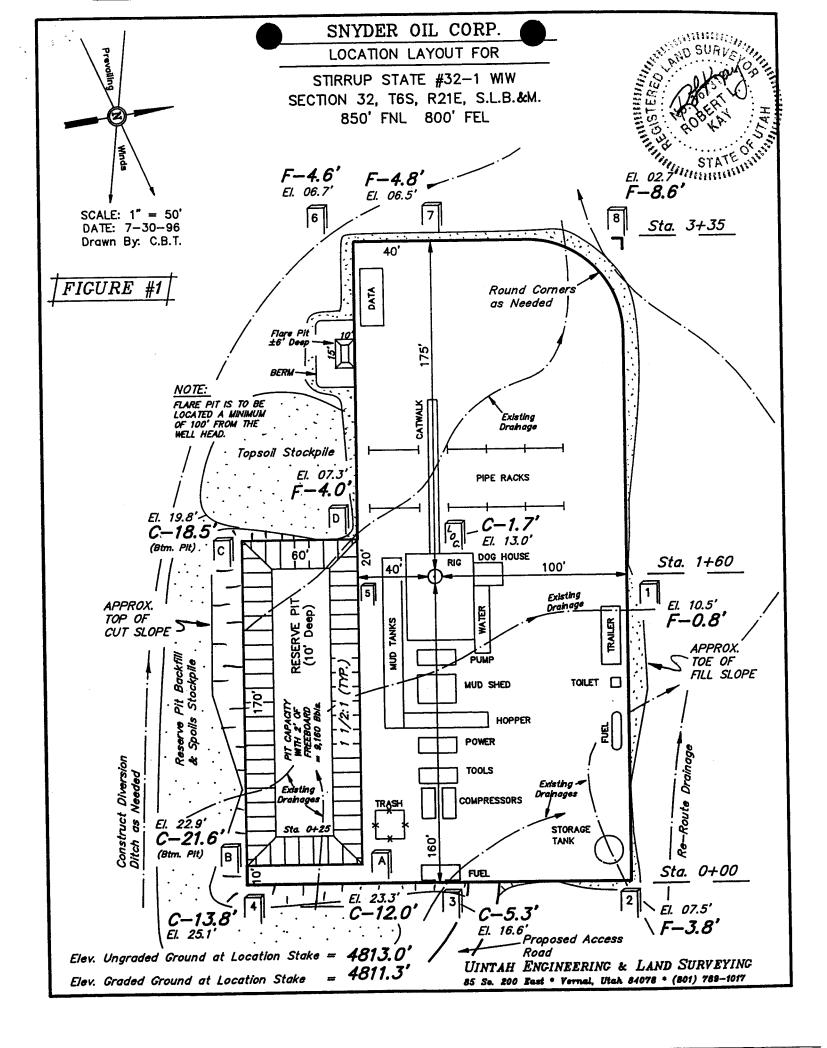
REGISTERED LAND SURVEYOR REGISTRATION NO. 181315

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 789-1017

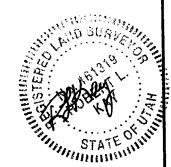
SCALE 1" = 1	000,		DATE SURVEYED: DATE DRAWN: 7-9-96 7-10-9			
PARTY B.B.	M.C.	C.B.T.	REFERENCES G.L.O. PLA	١T		
WEATHER WA	.RM		FILE SNYDER OIL C	ORP		



SNYDER OIL CORP.

TYPICAL CROSS SECTIONS FOR

STIRRUP STATE #32-1 WIW SECTION 32, T6S, R21E, S.L.B.&M. 850' FNL 800' FEL



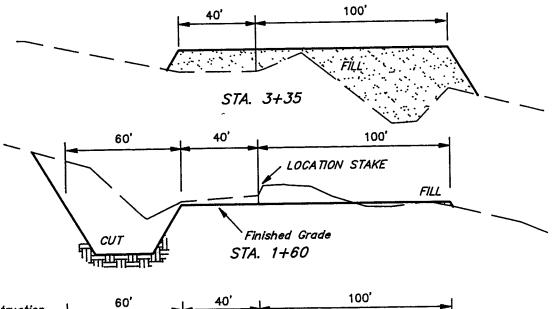
DATE: 7-30-96 Drawn By: C.B.T.

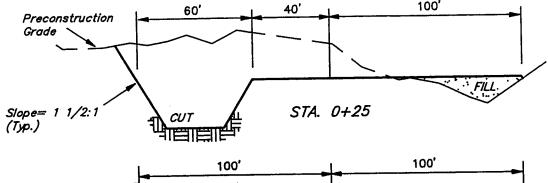
1'' = 50'

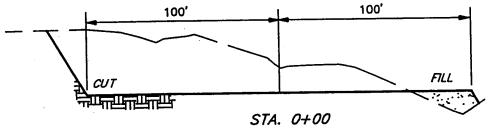
X-Section

Scale

20,







NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT

= 1,060 Cu. Yds. (6") Topsoil Stripping = 7,210 Cu. Yds. Remaining Location

= 8,270 CU.YDS. TOTAL CUT

= 5,600 CU.YDS. FILL

FIGURE

EXCESS MATERIAL AFTER

5% COMPACTION

= *2,380* Cu. Yds.

Topsoil & Pit Backfili

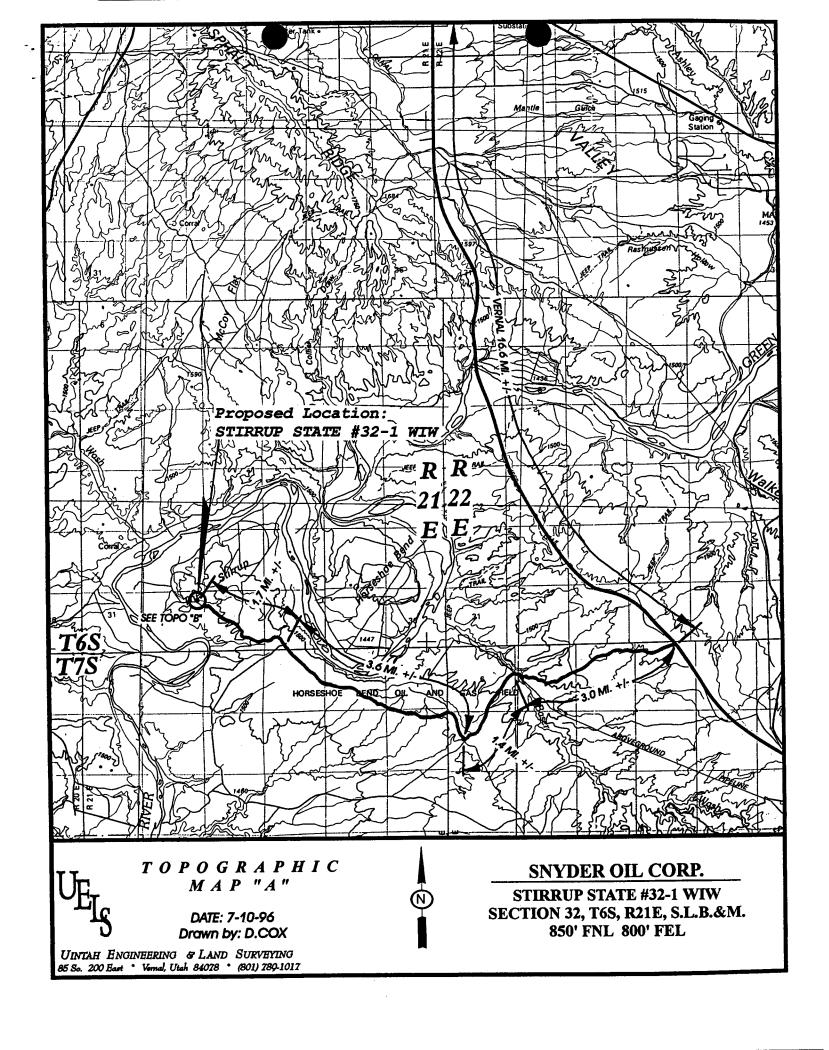
= *2,380* Cu. Yds.

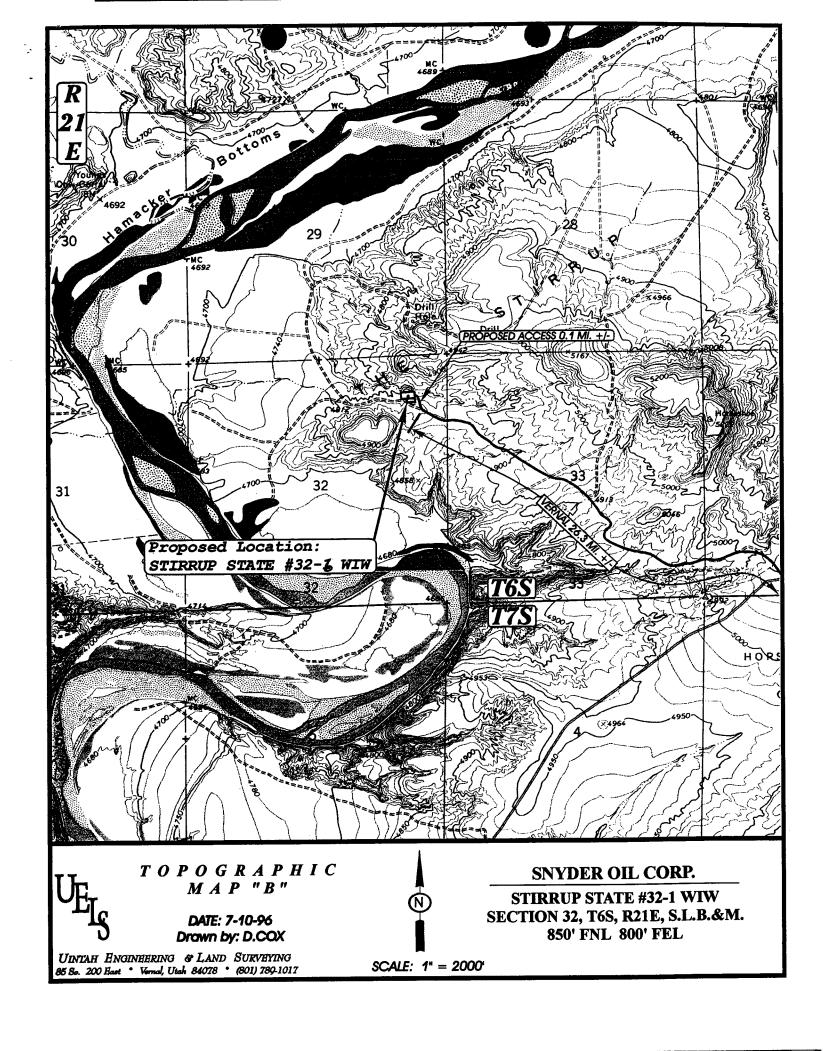
(1/2 Pit Vol.)

EXCESS CUT MATERIAL

Cu. Yds. 0

UINTAH ENGINEERING & LAND SURVEYING 85 Se. 200 East * Vernal, Utah 84078 * (801) 789-1017





Introduction

ء •

Snyder Oil Corporation ("SOCO") is proposing the formation of a Secondary Recovery Unit covering 599.1 surface acres within the Horseshoe Bend Field in portions of Sections 28, 29, 32 and 33, of Township 6 South, Range 21East in Uintah County, Utah. The formation of a Secondary Recovery Unit is for the purpose of implementing an enhanced oil recovery pilot waterflood project.

Currently there are five producing oil wells within the proposed unit boundary producing approximately 35 BOPD. Through 1996 these wells have produced a cumulative 246 MBO of primary reserves since first production in 1985. To increase the recoverable reserves and thereby extending the life and profitability of these wells, SOCO is proposing to convert the centrally located pattern well, Stirrup State #32-6, to a water injector to implement an enhanced oil recovery waterflood in this portion of the Horseshoe Bend field. Additional total recoverable secondary reserves from the pilot area are projected to be 176 MBO over a 16 year period. Results of an economic analysis indicates a viable project and consequently SOCO is seeking approval to proceed with the project.

Field History

The Horseshoe Bend field is located in Uintah County, Utah in the northeast flank of the Uinta Basin in Sections 28 through 34 of Township 6 South, Range 21 East, and Sections 3 through 5 of Township 7 South, Range 21 East.

The Horseshoe Bend field was discovered in 1964 with the drilling of the #2 Horseshoe Bend well located in the NW NE of Section 3, T7S, R21E, by Shamrock Oil & Gas. Presently, there are 22 active oil production wells in the field located over an area of approximately 3840 surface acres. Snyder Oil Corporation operates 16 of these oil wells.

Through 1996, the field has produced a total of approximately 1.5 MMBO from several Tertiary Green River lenticular sandstone intervals at depths typically ranging from 6700 to 7300 feet below surface. The produced crude oil is 32 °API having a high paraffin content and a corresponding high pour point of approximately 90 °F. The crude oil is commonly characterized as "black wax".

Geology

The reservoir zones in the Horseshoe Bend field are a series of fluvial and marginal lacustrine sandstones interbedded with shales in the Tertiary Green River formation. The sands, which are identified as the "K sands" in the Douglas Creek Member, are believed to have been transported from the Uinta mountains to the north and northeast of Horseshoe Bend and deposited at the margin of Eocene Lake Uinta forming bars and near-shore beach deposits. These marginal lacustrine sands were deposited across a low relief

plunging anticline and were often reworked during transgressive and recessive cycles of the lake and cut by fluvial channel deposits. The hydrocarbons have been found to be stratigraphically trapped in these lenticular sand bodies. Table 1 presents reservoir depths and thicknesses in the Proposed Horseshoe Bend Pilot Unit. Structure and a Reservoir Distribution Map are presented in Exhibits 1 and 2.

Exhibit 3 is a copy of a typical open hole electric log across the 'K' sand intervals. Generally these sands are found at depths ranging from 6700 to 7300 feet, with porosities in the 10 to 15% range and connate water saturations in the 35 to 50% range. This log is from the State #32-2 well, the southern most well in pilot waterflood pattern. A topographic map of the area is shown as Exhibit 4. All pattern wells are depicted on cross section A-A' and B-B' on Exhibit 5.

Waterflood Proposal

There are presently five completed oil wells within the proposed unit boundary as shown on the well location base map presented as Exhibit 6. The Stirrup State #32-6 well, the last to be drilled and completed in late 1996 is centrally located among the other four offset producers. Upon receipt of finalized unitization agreements and all applicable approved permits, the Stirrup State #32-6 will be converted to a water injector. In the interim, this well will be operated as an oil producer. This central interior injector will form an inverted 5-spot flood pattern. Within the flood pattern there are approximately 85 acres of floodable reservoir.

The injection water will be a combination of reclaimed produced water from the offset production wells and water extracted from a series of saturated upper Green River sands at a depth of approximately 4000' from the SOCO #29-2 well located immediately to the north of the proposed unit. The water deliverability from these sands has recently been tested in this well which confirmed an abundant supply of makeup water. Water collection and treatment facilities will be located at the Stirrup State #32-6 well site. Injection is assumed to commence in September of 1997.

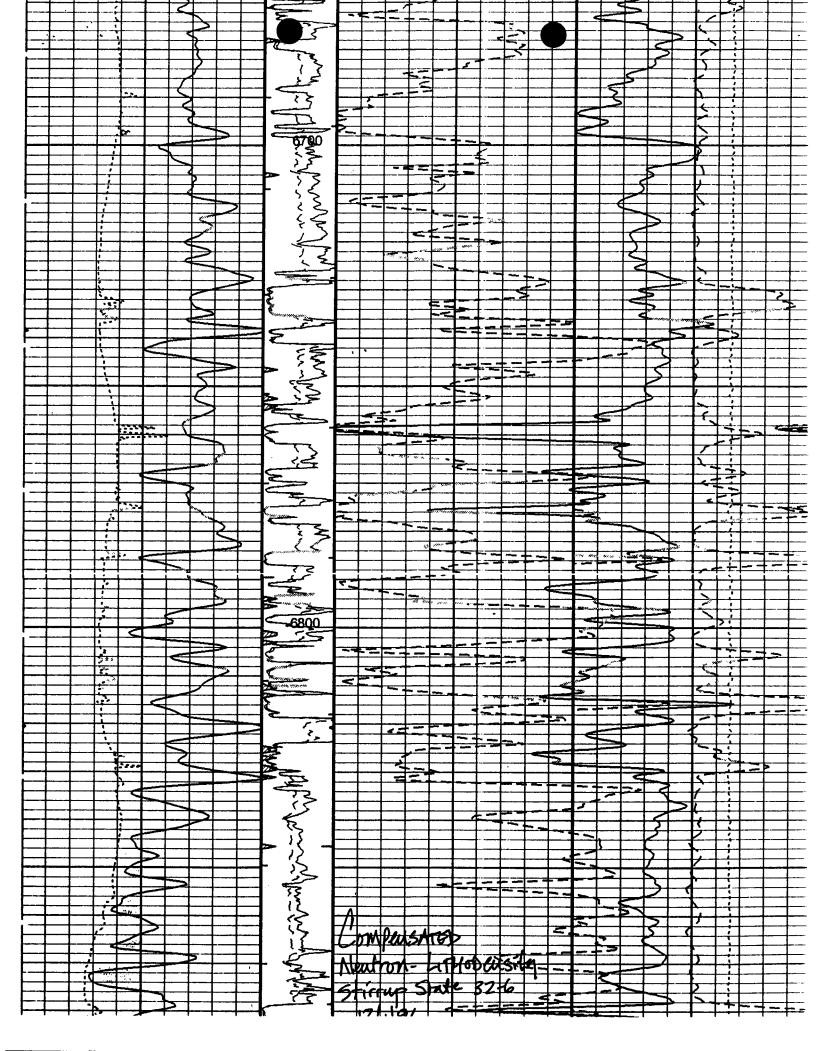
The flood performance projection of the unit was determined with black oil reservoir simulation studies which are supported by the performance of the ongoing analogous Monument Butte Unit waterflood. The plot in Exhibit 7 graphically presents the projected oil production profile. It is estimated that initial flood response will occur approximately 17 months after the start of injection. Peak oil production of 4,500 BOPM is projected to occur at the start of water breakthrough approximately 31 months after initiating injection and declining thereafter until reaching the economic limit in the year 2012. Total incremental recoverable secondary reserves are projected to be 176 MBO from the four production wells directly offsetting the injector over a 16 year period.

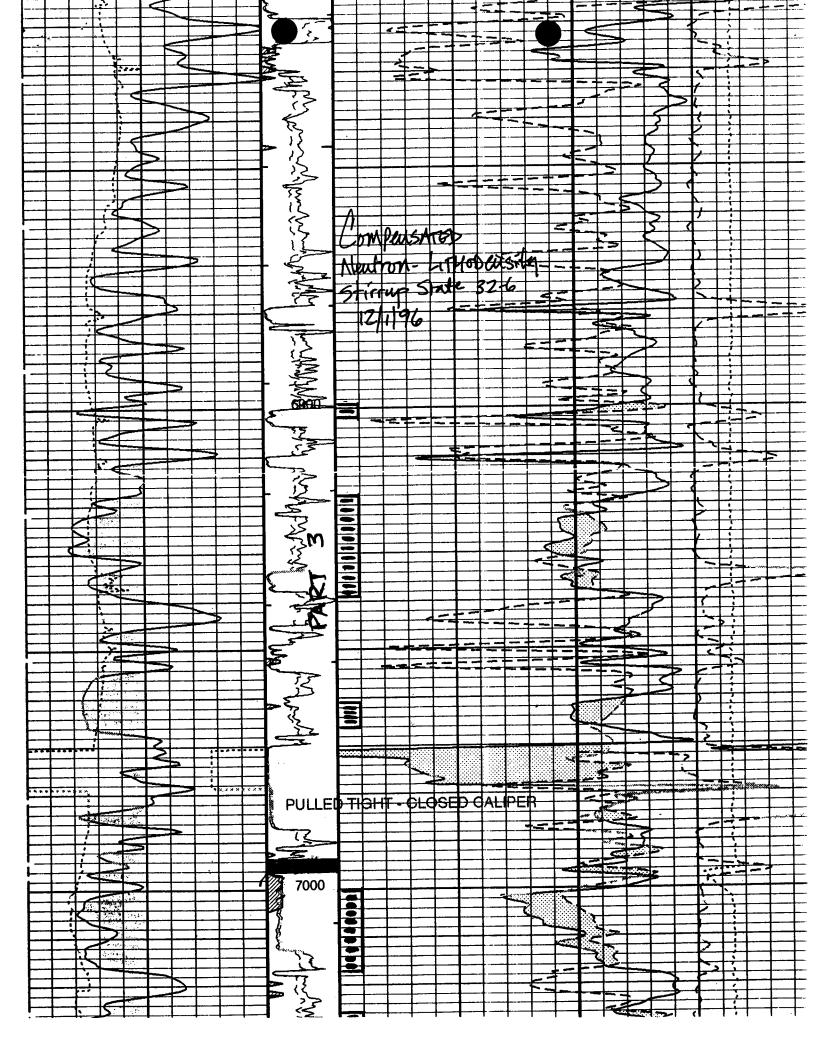
COMPANT: SNYDER OIL
CORPORATION
WELL: STIRRUP STATE #32-6

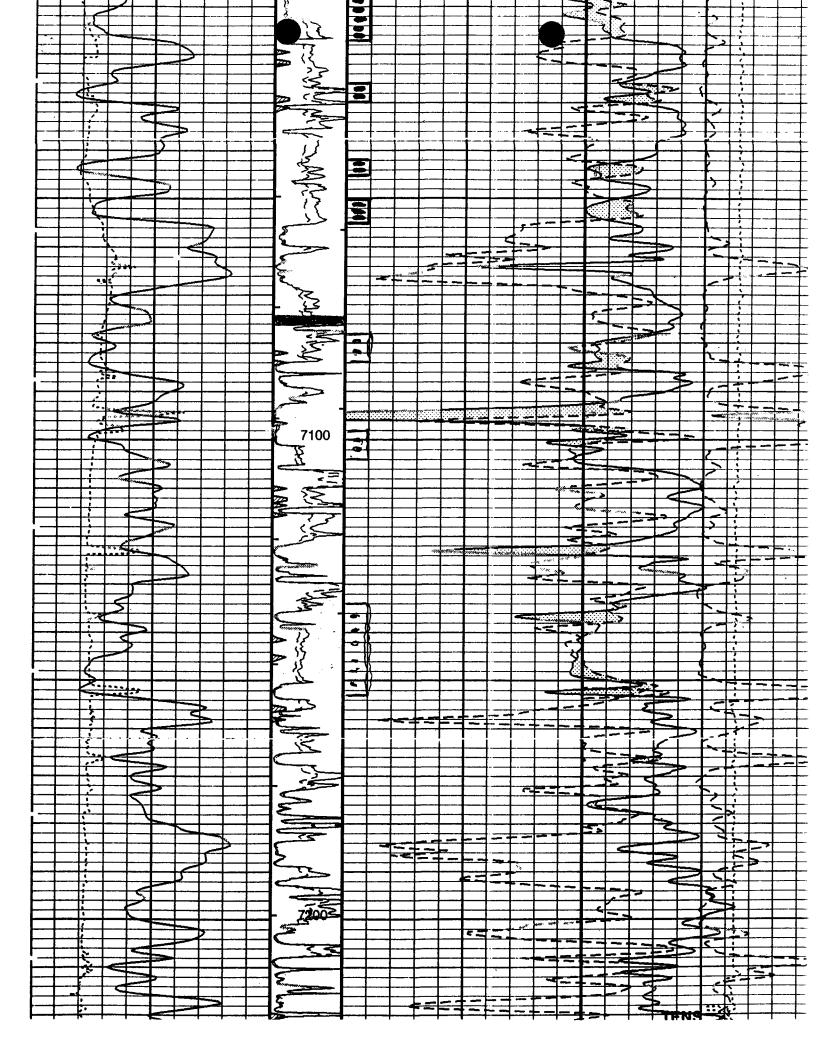
HORSESHOE BEND FIELD:

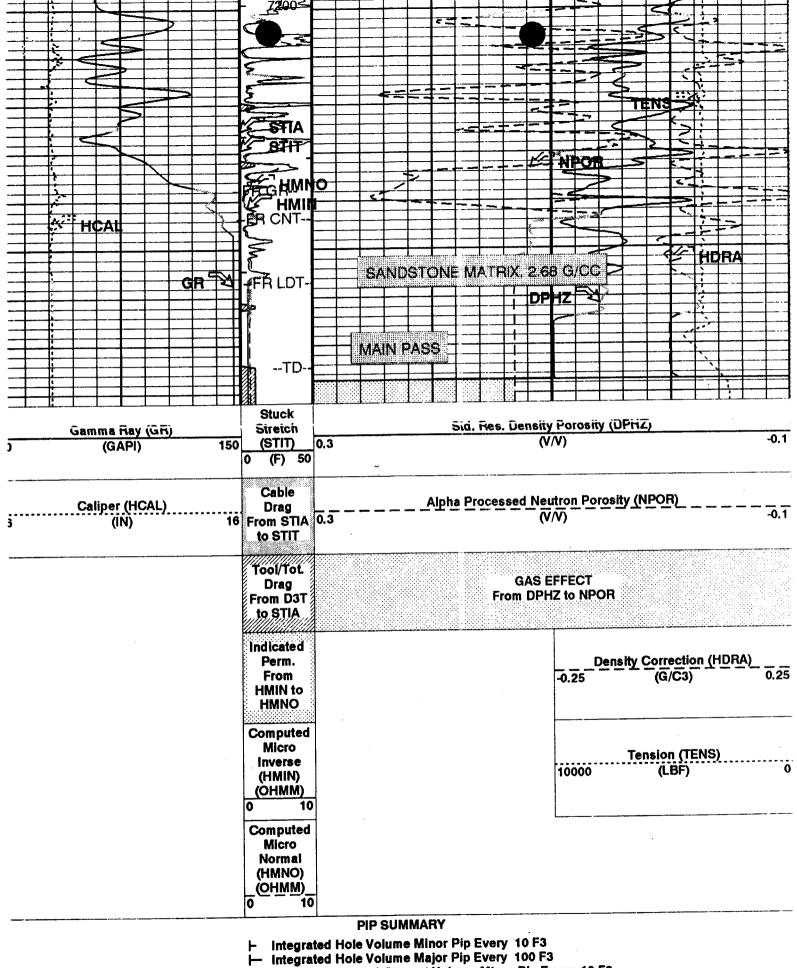
STATE: UTAH COUNTY: UINTAH

COUNTY.	OHALAL		01/11			
HORSESHOE BEND 850' FNL & 800' FEL STIRRUP STATE #32-6 SNYDER OIL LOCATION	Schlum	berger	with	LITH	SATED NI O-DENSIT MA RAY	
3.5 日	850' FNL & 800'	FEL			Elev.: K.B.	4828 F
9 A A				ı	G.L.	4813 F
S S S S S S S S S S S S S S S S S S S					D.F.	4827 F
HORSESHOE BEND B50' FNL & 800' FEL STIRRUP STATE #3 SNYDER OIL	Permanent Date	ım: GBO	UND LEVE	=!	Flev. 4813	F
	• • • • • • • • • • • • • • • • • • • •		Y BUSHIN			ve Perm. Datum
	Log Measured I				10.01 abo	
nc gany	Drilling Measure	ea From: KELL	Y BUSHIN	<u> </u>		
Fleld: Location: Well: Company:	API Ser	ial No.	SECTION	ON	TOWNSHIP	RANGE
Field: Locat Well: Comp	43-047-	32784	3 2	}	6S	21 E
Logging Date		1-DEC-1996				
Run Number		ONE				
Depth Driller		7287 F				
Schlumberger Depti	h	7274 F				
Bottom Log Interval		7256 F				
Top Log Interval		618 F				
Casing Driller Size	@ Depth	8.625 IN	@	618 F		
Casing Schlumberg	er	618 F				
Bit Size		7.875 IN				
Type Fluid In Hole		KCLWATER	·			-
Density	Viscosity	9.6 LB/G	32 S			
	PH	12.4 C3	8			
Source Of Sample		MUD TANK				
RM @ Measured Te	emperature	0.344 OHMM		B DEGF		<u>@</u>
RMF @ Measured	Temperature	0.344 OHMM		8 DEGF		<u>@</u> @
RMC @ Measured	Temperature		@			
000,00	RMC	0.136 @ 132	0.126	@ 132	@	@
	RMF @ MRT	0.136 @ 132 132 DEGF	10.130	س اعد	<u> </u>	
Maximum Recorde		1-DEC-1996	!	11:30		_1
Circulation Stoppe	d Time Time	1-DEC-1996		17:45		
Logger On Bottom	Location		AL, UTAH			
Unit Number	Location	T. BECKER	, L, O 1741		 	
Recorded By		MR. DAN SHEV	VMAKE			
Witnessed By		1				
1						









- Integrated Cement Volume Minor Pip Every 10 F3

- Integrated Cement Volume Major Pip Every 100 F3

COMF NY: SNYDER OIL

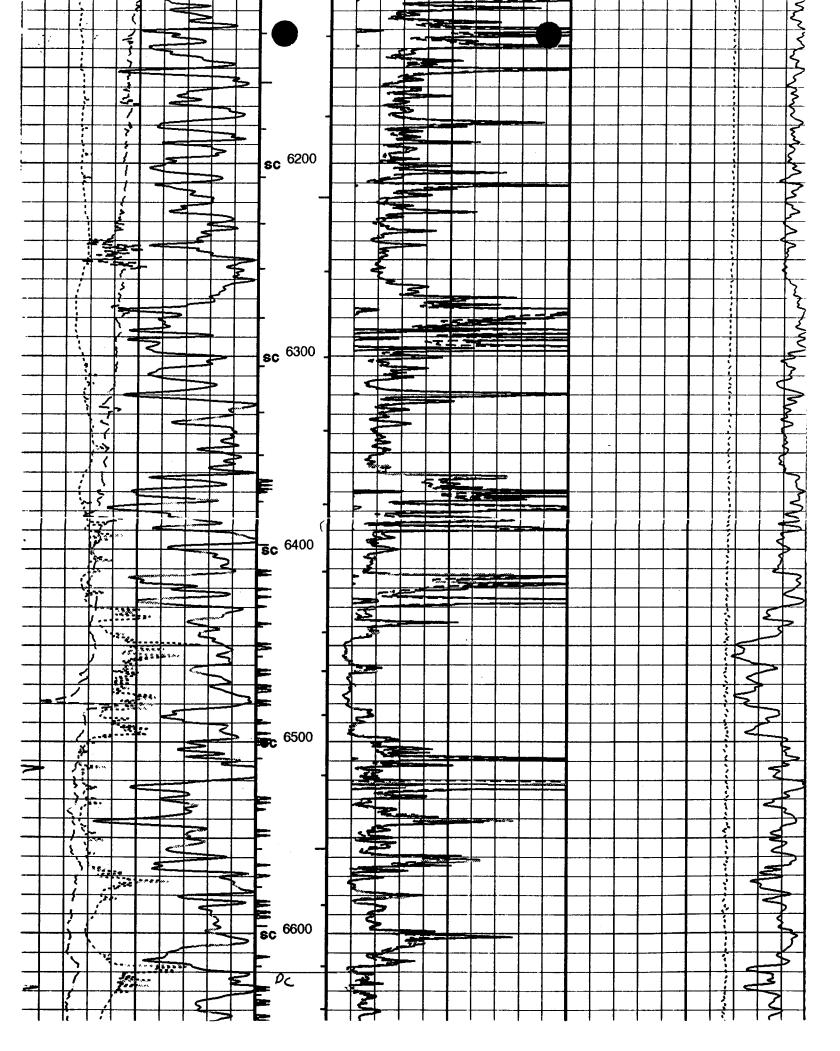
WELL:

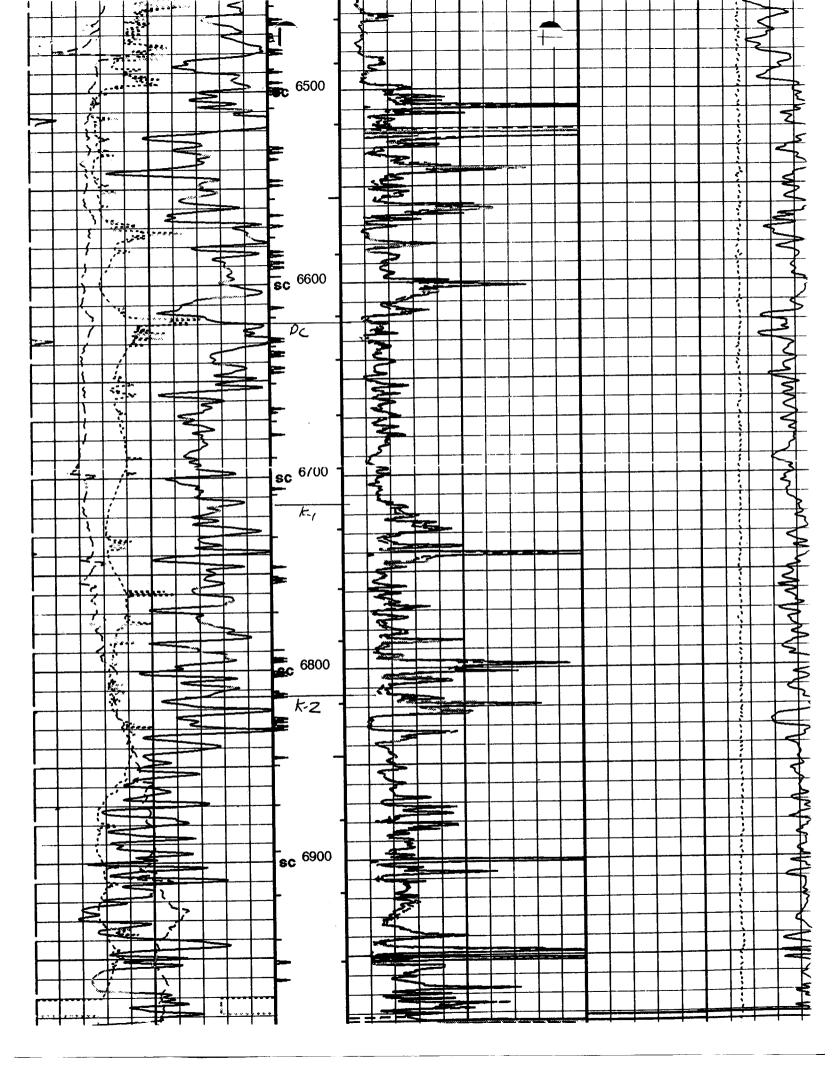
CORPORATION STIRRUP STATE #32-6

FIELD: HORSESHOE BEND

COUNTY: UINTAH STATE: UTAH

							· · · · · · · · · · · · · · · · · · ·
END FEL #32-6	So	hlum	berger	wi	th Line	IAL LATER ar Correla IMA RAY	
GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG		FNL & 800) FEL			Elev.: K.B. G.L. D.F.	4813 F
. :	S Log I	anent Da Measured	From: K	ROUND L ELLY BUS ELLY BUS	HING	Elev.: 4810	
Country: Field: Location: Well: Company:			rial No. 32784		CTION 32	TOWNSHIP 6 S	RANGE 21 E
Logging Date Run Number			1-DEC-1996 ONE				
Depth Driller			7287 F				
Schlumberger De	pth		7274 F				
Bottom Log Interv			7267 F				
Top Log Interval			50 F				
Casing Driller Siz	e @ Dept	th	8.625 IN	@	618 F		@
Casing Schlumbe	erger		618 F				
Bit Size			7.875 IN				
Type Fluid In Hole	е		KCLWATER				
Density	Viscosit	у	9.6 LB/G	32 S			
Fluid Loss	PH		12.4 C3	8			
Source Of Samp			MUD TANK	·			
RM @ Measured			0.344 OHMM		48 DEGF		
RMF @ Measured			0.344 OHMM	@	48 DEGF		<u>@</u>
RMC @ Measure		ature		@			
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Unit Number	Loca	won	2018 VEF T. BECKER	INAL, UTA	VT		
Recorded By			MR. DAN SHI	WMAKE			
Witnessed By			I WILL DAIR STI	_44 IAI\-(IVE			
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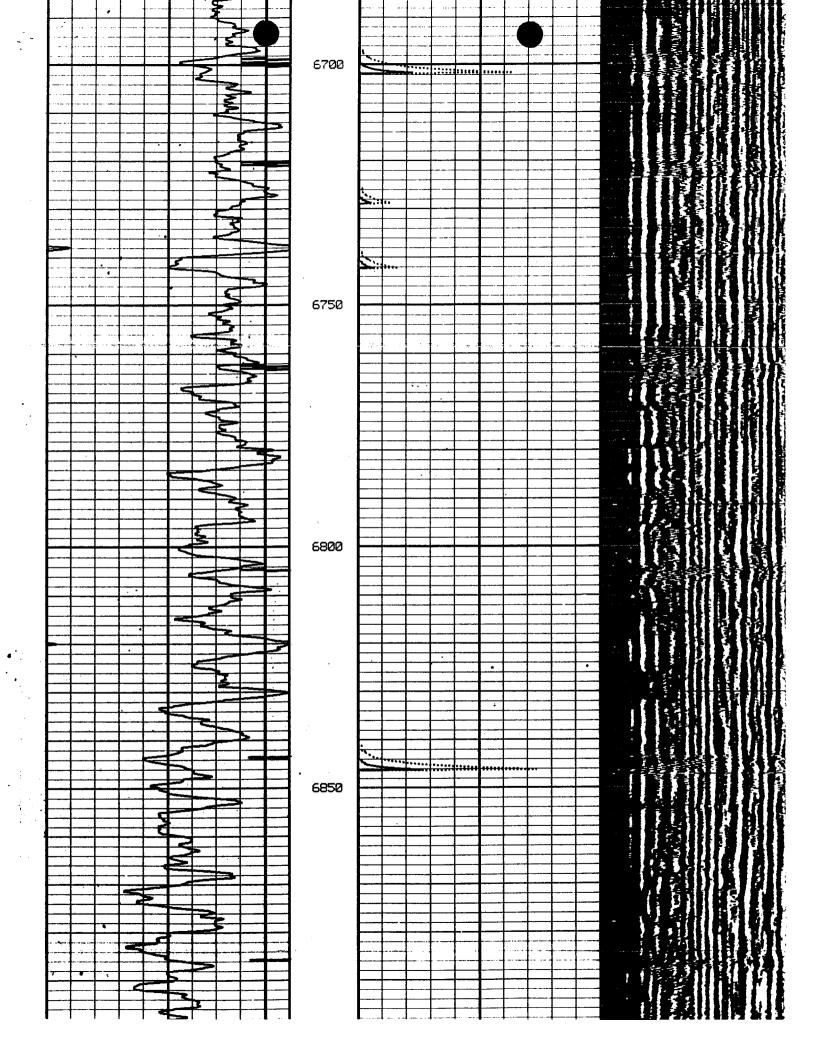


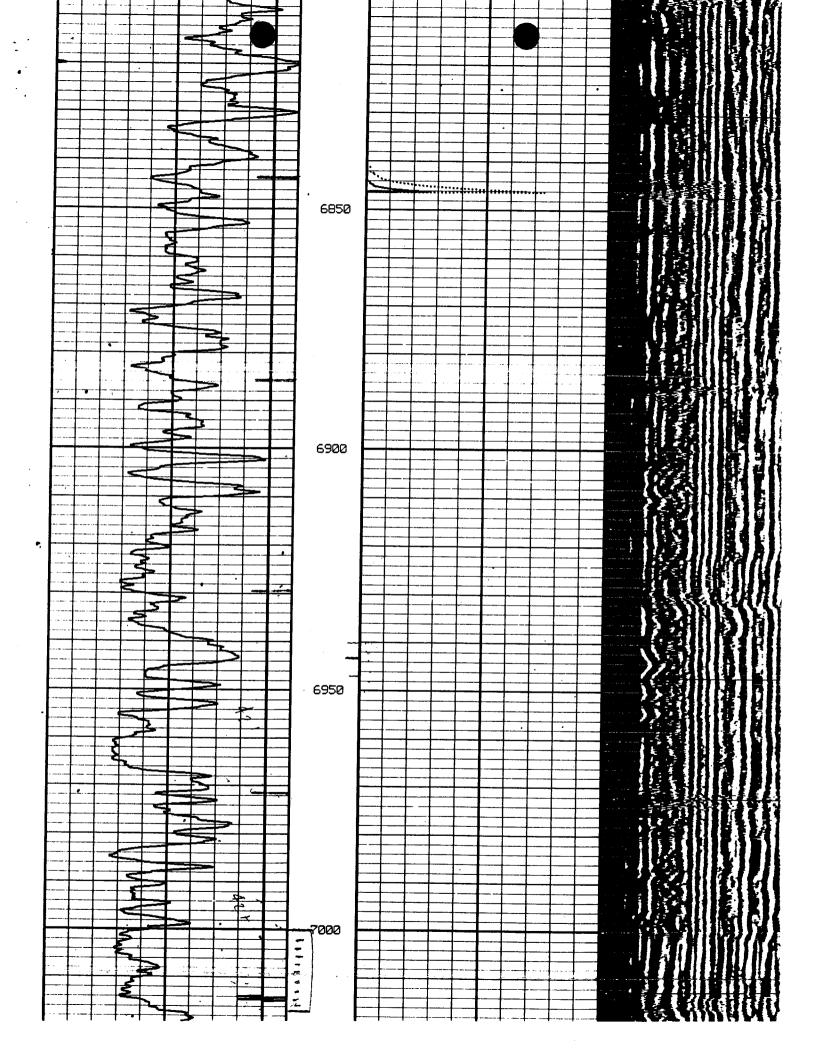


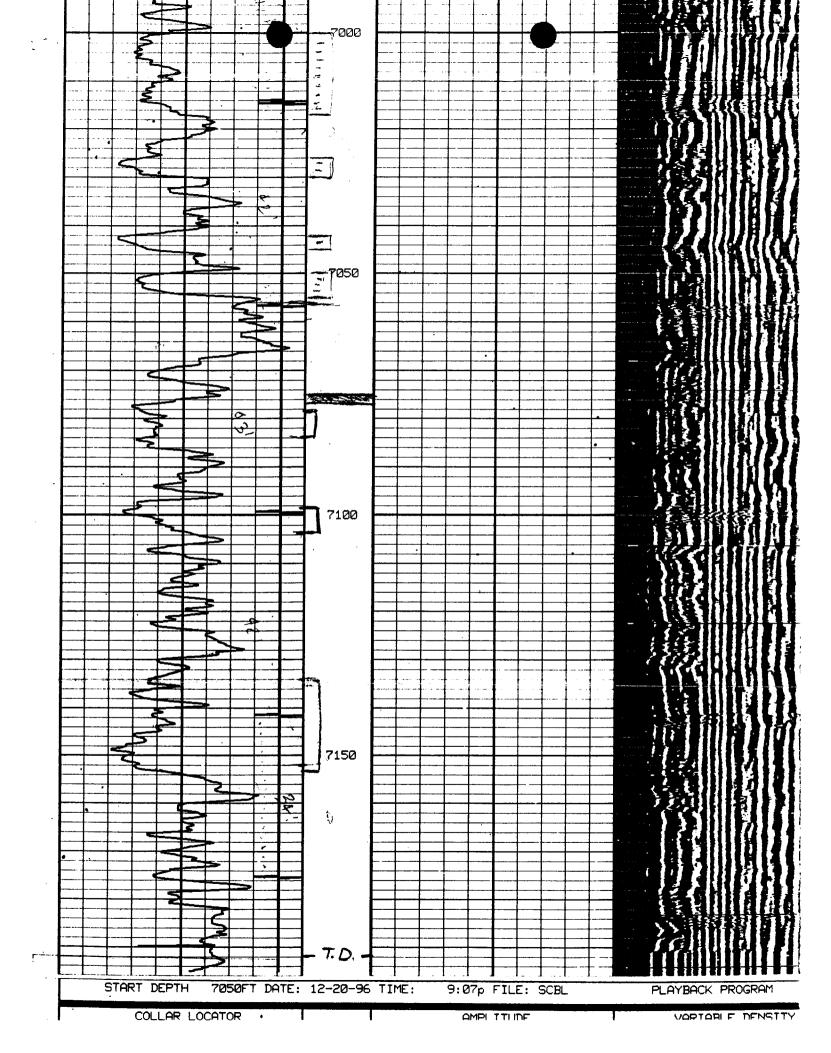
Weatherford Services

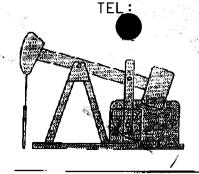
CEMENT BOND WITH GAMMA RAY LOG

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Oct 23'97

13:08 No.002 P.01



SNYDER OIL CORPORATION

1625 Broadway Strite 2200 Denver, Colorado 80207 303/592-8500 Pax: 303/592-8600

PLEASE DELIVER IMMEDIATELY

TO

John Bazz

FIRM/COMPANY :

FAX NO.

FROM

TELEPLIONE

IF PROBLEMS OCCUR WITH TRANSMISSION:

Please call

Skanks for your help - Kim

If you do

not receive the number of pages specified, please contact us as sex an as possible.

Number of Pages . Including Cover Sheet:

APPLICATION FOR INJECTION HELL - UIC FORM 1

OPERATOR	Snyder Oil Corporation	
ADDRESS	1625 Broadway, Suite 2200	
	Denver, CO 80202	
	(303) 592-8500	

Hell name and number: Stirrup State 32-6
Field or Unit name: Horseshoe Rond Pilot Materflood Lease no.
Hell location: QQ NENEsection 32 township 6s range 218 county Uintah
Is this application for expansion of an existing project? Yes [] No RX
Will the proposed well be used for: Enhanced Recovery? Yes &X No [] Disposal? Yes [] No [] Storage? Yes [] No []
Is this application for a new well to be drilled? Yes [] No KOK
If this application is for an existing well, has a casing test been performed on the well? Yes [] No kk Date of test: API number:
Proposed maximum injection: rate 300 BBL/Day pressure 1904 psig Proposed injection zone contains XXXvii, XX gas, and/or [1 fresh water within X mile of the well. [X] Salt Water
IMPORTANT: Additional information as required by R6 49-5-2 should accompany this form.
List of Altachments:
I certify that this report is true and complete to the best of my knowledge. Name Rod Guice Signature Date Date Date 10/23/97
(State use only) Application approved by

Comments:

COPY

AFFIDAVIT

SS.

COUNTY OF DENVER)

Paul G. Brooke, upon oath, states as follows:

- 1. I am the Senior Landman for Snyder Oil Corporation.
- 2. I am familiar with the matters set forth in the Request for Agency Action of Snyder Oil Corporation filed with the Utah Board of Oil, Gas, and Mining on Sep 9, 1997, and captioned as Docket No. 97-018, Cause No. 127-5.
- 3. On behalf of Snyder Oil Corporation, I caused to be conducted a search of the pertinent land records of Uintah County, Utah and the Bureau of Land Management involving the lands described in paragraph 2 of the Request for Agency Action describing the "Unit Area", and also for lands within one-half mile of the exterior boundary of the Unit Area.
- 4. The names and addresses attached hereto are all "interested parties" owning or having jurisdiction over interests within the lands referenced in paragraph 3 above.

FURTHER AFFIANT SAITH NOT.

DATED this 2th day of Supt., 1997.

Paul G. Brooke

On the day of April 1997, personally appeared before me Paul G. Brooke, who duly acknowledged to me under oath that the statements contained in the foregoing instrument are true and correct to the best of his knowledge and belief.

My Commission Expires:

1.1998

Notary Public

Residing at: //www

Aute 1200

80000

Snyder Oil Corporation Attn: Paul Brooke 1625 Broadway, Suite 2200 Denver, CO 80202

Ute Indian Tribe
Tax Department
P.O. Box 70
Fort Duchesne, UT 84026

Bureau of Indian Affairs Attn: Charles Cameron P.O. Box 130 Fort Duchesne, UT 84026

Lone Mountain Production Company P.O. Box 3394 Billings, MT 59103

Rosewood Resources, Inc. 100 Cresent Court, Suite 500 Dallas, TX 75201

Best Exploration, Inc. P.O. Box 1705 Grand Junction, CO 81502

Morgan Marathon, LLC 1999 Broadway, Suite 2450 Denver, CO 80202

John W. Warner Atoka Farms Box 1320, Route 713 Middleburg, VA 22117

T-K Production P.O. Box 2235 Billings, MT 59103 Ute Distribution Corporation P.O. Box 696 Roosevelt, UT 84066

Ute Indian Tribe
Energy and Minerals Resource
Department
P.O. Box 70
Fort Duchesne, UT 84026

Bureau of Land Management Vernal District Office 170 South 500 East Vernal, Utah 84078

D.J. Investment Company c/o Don F. Bradshaw 448 South, 400 East Salt Lake City, UT 84111

Betty Jo Moberly 2005 Gulf Avenue Midland, TX 79705

Laird T. Orr Coal Co. P.O. Box 1600 London, KY 40743-1600

Albert G. Talbot 907 Bedford Dr. Midland, TX 79701

Trans Republic Energy P.O. Box 3638 Midland, TX 79702

Henry Wayne Stead Trust 1860 Tice Creek Dr. #1106 Walnut Creek, CA 94565 Harold B. Holden P.O. Box 1743 Billings, MT 59103

J & K Properties, Inc. 408 Petroleum Building Billings, MT 59103

Walter S. Fees, Jr. Inter. Trust 1 2516 Foresight Circle, Rm. 10 Grand Junction, CO 81505

Don F. Bradshaw 448 South, 400 East Salt Lake City, UT 84111

Brigham Krause Heirs First Security Bank of Utah Main and 1st South Salt Lake City, UT 84108

Jack R. and Hazel M. Robertson 875 Donner Way, Apt. 703 Salt Lake City, UT 84108

Emerson C. and Lucy S. Willey 3714 Barbara Way Salt Lake City, UT 84109

Thomas E. Hall Trust 4400 Camille Dr. Salt Lake City, UT 84124

Keldon Oil Company P.O. Box 1294 Bismark, ND 58502

Julian A. Massey 6999 East, 6750 South Jensen, UT 84034 Mustang Drilling 2557 East, 3760 South Vernal, UT 84078

Texas Republic Energy Partners, LLC 1000 Louisiana, #2370 Houston, TX 77002-3816

Petroleum Technical Services 3000 N. Garfield #210 Midland, TX 79701

Brigham Krause and Vera Krause Trust First Security Bank of Utah Main and 1st South Salt Lake City, UT 84108

Evylen McNaughtan 377 N. Vernal Ave. Vernal, UT 84078

Ilela McKinlay Box 126 Teton, ID 83451

George O. Massey, Jr. 739 N. Main St. Springville, UT 84103

Ira W. Massey 5140 South, 9500 East Jensen, UT 84035

Golda M. Carroll 3032 West, 500 South Vernal, UT 84078

Nolan G. Massey 1398 West, 400 South Vernal, UT 84078 Velda D. Massey 102 South 2500 West Vernal, UT 84078

Floyd L. Massey 6975 East, 6750 South Jensen, UT 84035

Arthella Pearson 8962 Hunt Ave. Southgate, CA 90280

Ferrel A. Massey 326 West, 1700 South Orem, UT 84058

Elva Stewart 4744 Rainbow Dr. Murray, UT. 84107

Charles E. Strange 1976 Trust 1 P.O. Box 1210 Inverness, FL 34451-1210

W.B. Strange P.O. Box 1210 Inverness, FL 34451-1210

Stewart Capital Corporation 485 Madison Avenue New York, NY 10022

Daniel P. Haerther 1005 E. Illinois Rd. Lake Forest, IL 60045

Apache Corp. 2000 Post Oak Blvd., Ste. 100 Houston, TX 77056-4400 Julian A. Massey, Jr. 1749 North, 1500 West Vernal, UT 84078

Dan W. and Phyllis G. Turner 808 North, 2500 West Vernal, UT 84078

Leona S. McConkie Estate of J. Archie McConkie 1303 North, 2500 West Vernal, UT 84078

Donald and Betty T. Bowden 846 North, 2500 West Vernal, UT 84078

Oxy USA, Inc. P.O. Box 841735 Dallas, TX 75284-1735

Alex T. Warmath 19 Thundercreek Pl. The Woodlands, TX 77381-6130

Daniel W. Shewmake 6998 South Madison Way Littleton, CO 80122

William W. Griffith Box 1551 Denver, CO 80201

Prodco, Inc. 518 17th Street, Ste. 1070 Denver, CO 80202

Utah Resources International 6777 West, 4060 South West Valley, UT 84128-1970 A.G. Andrikopoulos P.O. Box 788 Cheyenne, WY 82001

Key Production Company P.O. Box 840716 Dallas, TX 75284-0716

Leonard P. Zimmerman P.O. Box 1434 Augusta, GA 30903-1434

Tri-Star Minerals P.O. Box 3086 Minot, ND 58702

Brooks J. Boedecker P.O. Box 3393 Billings, MT 59103

Ken Altschuld P.O. Box 521 Franktown, CO 80016

Margene Balkemore Management Trust 200 W. Illinois #200 Midland, TX 79701

Alta Energy Corporation Trustee 500 N. Loraine #900 Midland, TX 79701

John C. Osmond 6212 S. Glena Ct. Englewood, Co 80111

Uintah Basin Royalty Partnership 1738 S. Poplar St. Casper, WY 82601 L. Stanley 5070 Nassau Circle Englewood, CO 80110

Robert W. Scott 1275 Lupine Way Genesee Golden, CO 80401

D. Patrick Grubbs2818 E. 88th St.Tulsa, OK 74137-2539

State of Utah School and Institutional Trust Lands Administration 675 East, 500 South #500 Salt Lake City, UT 84102-2818

Minerals Management Service Bureau of Indian Affairs Ute Indian Tribe P.O Box 5810 T.A. Denver, CO 80217

Aviara Energy Corporation P.O. Box 1350 Houston, TX 77251-1350

Harry A. Miller, Jr. 600 First National Bank Bldg.— Midland, TX 79701

Frank G. Carrico Margaret M. Carrico 406 Farley Trail Austin, TX 78746 KC Premium Royalty Corp. P.O. Box 950 Midland, TX 79702

Fina Oil and Chemical 6 Desta Drive, Ste. 4400 Midland, TX 79705

Great Western Drilling Company P.O. Box 1659 Midland, TX 79702

Laurel Mining Co., Inc. P.O. Box 613 London, KY 40741

DCB Oil and Gas, Inc. 300 N. Garfield, Ste. 210

Midland, TX 79701 R.C. Johnson 601 Jefferson St., Ste. 3710 Houston, TX 77002

Marion Laughlin Miller Box 10966 Midland, TX 79702

Prima Energy Corp. 1801 Broadway, Ste. 500 Denver, CO. 80202 Keyser Partnership 2014 Shell Midland, TX 79705

Uintah Partner Ltd. 500 N. Loraine #900 Midland, TX 79701

Midcon Central Exploration Co. P.O. Box 300 Tulsa, OK 74102

Altex Oil Corporation P.O Box 666 Vernal, UT 84078

William P. Berryman P.O. Box 542 Morrison, CO 80465

Calais Resources, Inc. c/o Wm. P. Berryman P.O. Box 310 Morrison, CO 80465

John P. Lockridge 1801 Broadway, Ste. 1250 Denver, CO 80202

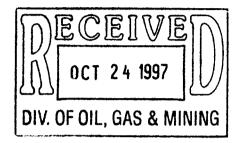
Raymond D. Danton P.O. Box 6303 Denver, CO 80206



October 23, 1997

1625 Broadway Suite 2200 Denver, CO 80202 303/592-8500 Fax 303/592-8600

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, UT 84114-5801



Dear Sirs:

Please find enclosed the complete Class II Injection Well Classification Application. You will find a list of attachments included that cover the requirements stated in the General Rules book. If you have any questions or need further information, please call me at (303) 592-8578.

Thank you, Kin Mikhan

Kim Mitcham

1822

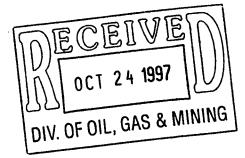
List of Attachments

- 1. Name and Operator of the Project.
- 2. A plat showing the area involved and identifying all wells in the project area and withing a one-half mile radius of the project.
- 3. A full description of the operation.
- 4. A description of the pools from which the wells are producing.
- 5. The name, description, and depth of the pool to be affected.
- 6. A copy of the log of a representative well completed in the pool.
- 7. A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.
- 8. A list of all operators, owners, and surface owners with a one-half mile radius of the proposed project.
- 9. An affidavit certifying that said operators, owners and surface owners within a one-half mile radius have been provided a copy of the petition.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR ADDRESS	Snyder Oil Corporation 1625 Broadway, Suite 2200				
	Denver, CO 80202				
	(303) 592–8500				



(303) 592-8500	
Well name and number:Stirrup State 32-	6
Field or Unit name: Horseshoe Bend Pilot	Waterflood Lease no
Well location: QQ <u>NENE</u> section <u>32</u> towns	
Is this application for expansion of an e	existing project? Yes [] No 🗱
Will the proposed well be used for:	nhanced Recovery? Yes KX No [] isposal? Yes [] No [] torage? Yes [] No []
Is this application for a new well to be	drilled? Yes [] No KX
If this application is for an existing we has a casing test been performed on the Date of test: API number: 43-047-32784	ell, he well? Yes [] No kk
Proposed injection interval: from 6899 Proposed maximum injection: rate 300 BE	xx gas, and/or [] fresh water within %
mile of the well.	[X] Sait Water
IMPORTANT: Additional informati accompany this form.	on as required by R6 49-5-2 should
List of Attachments:	
I certify that this report is true and o	complete to the best of my knowledge.
Namo Rod Guice	Signature Date
(State use only) Application approved by Approval Date	Title

Comments:

STATE OF UTAH DIVISION OF OIL, GAS AND MINING ENTITY ACTION FORM - FORM 6

PERATOR _	SNYDER OIL CORPORATION			
DDRESS	P.O. Box 695			
	Vernal, UT 84078			

OPERATOR	ACCT.	NO.	H	1305
OPERATOR	ACCT.	Ю.		1303

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			s on back of form								

B - Add new well to exi C - Re-assign well from D - Re-assign well from	ly for new well (single well only) isting entity (group or unit well) n one existing entity to another existing entity n one existing entity to a new entity
E - Other (explain in	convents section)

HOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Signature

Phone No. (801) 789-0323

COMPLETION REPORT STATING CEMENTING AND ZONES FOR WELLS IN ½ MILE RADIUS

1a. TYPE OF WELL

SIGNED

15. DATE SPUDDED

23.

TITLE Petroleum Engineer

SUBMIT IN DUP (See other inst on reverse siac>

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L TYPE OF COX	W.E.	LL W WELL	D2 ليـ	τ L	Other				7. UN	IT ACRE	EMENT	NAME .
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WELL !	23 (X) X77C	BACK	LESV	R. 🗆	Other Rem	veo	Dr		.	RM OE		MARE
2. NAME OF OPERA										leral		
Fina Oil and 3. ADDRESS OF OFF		company					 			LL NO.		
·		.0	Colora	ر م	i Coden		गाञा	SIR	1	I		WIT DG18
1625 Broadw					10505)	ي ال	追川	A 1c		ELD AN	D POOL	L, OR WILDCAT
4. LOCATION OF WI	tti (Report locatii	on clearly and in	accordance	with en	A diplortant	remen	18)	1	Hb	sest	oe I	Bend
	FSL & 237'	FEL Sec.	29		111//1	NO	V 06 19	797		AREA	K., X., (OR BLOCK AND BUD
	terval reported be						-	,,,				
Samé At total depth	!		•					لــــــــــا	Soc	20	π6 6	S, R21E
at total depth				MIT NO.	TDIA O		L_GAS	MI &	VING	UNTY		13. STATE
same				•	22624		(ESCED		 	FRISH	-	1
S. DATE SPUDDED	; 16. DATE T.D. R	PACUED 12 DAS	API 4		7-31634		24/85		Uin		1 19. 1	Utah
		{		vennå r	l l		TATIONS (D			erc.)		
<u>7/7/85</u> 20. sotal depte, me	7/25/85	C. BACK T.D., MD 4	/15/85	10 4111	TIPLE COMPL	·	5 GR;			BY TOO	1.5	CABLE TOOLS
	1		140	HOW X		••		LLED ST	0-		i	
7703 (DR)		7672'	- 207704		<u> </u>		1	->	0 -	עד	1 2	. WAS DIRECTION
					AD THE TABLE							SURAEL MYDS
Douglas Cre		ver: /uul	-1295									NO
Wasatch: 7		21.0									27. W	AS WELL CORED
		ECS.						•			•	NO
DIFL/FDC-CN	EL/CBL			D	4 -15 -4-1							
CASING SIZE	: WEIGHT, LE.				ort all string	s set t		ENTING	RECORD	 		AMOUNT POLL
	·					-						
8 5/8 5 1/2	24# J55 17# N80	403 7699			1/4 7/8	675	Circ t					
5 1/2	T/# M90	7699			770) sx HI					
						- 300) 3X 111		2110	3 cag		
	 	LINER RECORD		<u> </u>		<u> </u>	30.	· · · · · · · ·	TUBIN	: RECO	ORD.	
25 BIZE	TOP (MB)		SACKS CE	W- V-4	SCREEN ()		SIZE		DEPTH			PACKER BET ()
	- IOF (AD)	BOTTOM (MD)	- SACKE CE		- CALLA (/。 -	7229			
	·	! 	-		<u> </u>		2 7/	'	1429			
31. FERFORATION A	ECOLD : Interval. 4:	and number)	<u> </u>		1 32.		ID. SHOT	FRAC	TURE (EMEN	T SOT	EEŻE, ETC.
Perf. w/4"		· .	arges		DEPTH 19			 				MATERIAL DEED
7001'-7136'		-			7001'-7							000#20/40
7235'-7295'	-				7235'-7					<u>-</u>		; 87500#20/40
7486'-7546'	-				7486'-7							
7634'-7648'	=											; 51200#20
	, 11, 41 110.	1		PBA	7634'-7	048		13/26	υ q.	vers	agel	; 37000#20
33.º	715" ! 1:800	CONTRE MOITOU	Flowing, at			end I	ype of pu	mp)		WELL	BTATU	s (Producing or
					-			• •		sh	st-in)	
9/25/85	HOULS TESTED	Owing	FROD'S	. FOR	016		GAS-M	CF.	WAT	ER-BB	duc i	GAR-OIL RATIO
				PERIOD	i	,	1		1			
9/25/85	10	30/64	011-1	ANL:	260	- M CF.	<u> </u>	WATER			011. 0	BAVITY-API (COR
		24-HOTE RA	TE				1				l .	
30 PSI	1700 PS			624	!				1 7227	WITHE		32.1
• • • • • • • • • • • • • • • • • • • •	VAR (0010, MICE /2	·· juei, renied, ele.	,		-				ı			
To be sold									Me	el St	.ewa i	u
35. LIST OF ATTAC	AKENTS -	•										
				 						41		
36. I bereby certi	y that the forego	iss and attached	information	te com	piete and coi	Lect w	e determit	ed Iroz	A TIL TA	llable	record	

DATE 2-20-86

INSTRUCTIONS

General: This form is designed for submitting a complete and correction report and his on all types of lands and leaves to either a Federal argueror or a State agency, or both, pursuant to eighlighlie Federal and for State laws and regulations. Any a wessary appeals in antitle name of this form and the number of copies to be orbutted, particularly with reger to best, ares, or regions; procedures and procedures either are above belong the lesuest by, or may be obtained from, the local Federal and by the intractions on items 22 and 24, and 33, below regardle reports for separate completions.

If not that price to the time this summary record to aubmitted, replies of all currently a "allahie logic for the the time this sample and for a time that the safest required by applicable Federal and/or State laws and regulations. All attachments

should be linied on this form, are item 35.

11. It there are no applicable Sixly requirements, locations on Rederal or failtan land about be described in accordance with Federal requirements. Consult local State fees 18; indicate which elevation is used as reference (where not otherwise above,) for depth measurements given in other spaces on this form and in any attachments. or Federal office for specific instructions.

item: 22 or 2.24. If litty well is rempleted for a perstending from more than we interval zone (antitiple completion), so state in item 22, and in item 24 show the producing interval, or interval, topical, bettending and summe(s) iff any) for only the interval and interval to be separately produced, showing the additional data pertinent to such interval interval to be separately produced, showing the additional data pertinent to such interval to be separately produced, showing the additional data pertinent of such interval supplemental records for this well should show the details of any multiple stage comenting and the location of the cementing tool.

Hen 23: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

		<u>.</u> ,	, · · · · · · · · · · · · · · · · · · ·	~
	TOF	TAUR VEST. DAFTE		
GEOLOGIC MARKERS	7	MRAS, DRFTR.	68361	· · ·
FB. GEOLOG			Uinta "B" Douglas Creek	
BION ALL INTORTARY BUNES OF POROSITY AND CONTENTS THERBOOF; CORED INTERVALS; AND ALL DRILL-STEM TRIES, INCLUDING Defth interval tested, cushion used, time tool ofen, plowing and shut-in preseness, and recovering	DESCRIPTION, CONTENTS, RTC.		Alternating red/green/white sh & ss White ss & gray shale White siltstone & black shale White siltstone & calcareous gray shale White ss w/oil & gas & gray shale Red/purple siltstone & green/gray shales	
OBITT AND CONTEN IBED, TIMB TOOL O	KOLLO4		4000' 4550' 6210' 6836' 7334' 7672'	
LANT TONES OF FOR	101		3360' 4000' ek4000' k 4550' 6210' 5836' 7334'	
DEPTH INTRAVAL TESTED, CUS	PORMATION		Uinta "B" 3360' Green River 4000' Evacuation Creek4000' Parachute Creek 4550' GArden Gulch 6210' Douglas Creek 6836' Wasatch 7334'	

INSTRUCTIONS

pubulited, particularly with regard to beat, area, or regional procedures and platified for above behave or will be haused by, or may be pitalned from, the lucal Federal and/or Hula office. Her instructions to the major of all all and the state of the control of the currently available logical good for the state of the same of the control of the currently available logical good from the manner of the same of the control of the currently available logical process. State laws and regulations. All allachments must be the cheeral and/or State laws and regulations. All allachments must present and/or State laws and regulations. Ossessi This form is healgned for aubmilling a complete near content with the form and the number of copies to be be been the form and the number of copies of but, pursuant to applicable Exlerel and/or Sinte live and regulations. Any proposed proves the bound in a manual by or may be pulsated from, the board from the bound or both pursuant to applicable Exlerel and/or Sinte live and regulations. leaves in eliber a Perforal agency for submitting a complete and entrect well entribletion reford bad ing on all types of laining and

tiem is it there are in upplicable Siste evaplication, locations on Rederal or feating land about be described in accordance with Federal requirements.

Her. 19: Indicate which election is used as reference fixhese not otherwing shown) for depth meantrements given to other spaces on this form and in the 24 show the producing them 21 show the producing the sampleted for myneric production from sport line in the military of this well is exampleted for myneric production for only the integral reported in the man D. Hubbert a superstant expersed on this form, adequately identified.

for early additional interval to be reparately product, showing the additional delated to anch interval.

Itam ?4: "Sanks Ormany", Allschul appilemental for this wall should solve the details of any modified stage canenting and the location of the ceanfilm for "Sanks Ormany", Allschul appilemental for the act and the form for al form for the form for the form formal form

11 BILLYARY OF POROUS TOWNS	UB ZONBBI			SE. DECAUTE	OBOLOUIC MARKERS	
	GILON BILL SEPTEMBLENG SOFTS OF SOFTS AND ACCURATE, THE AND AND ACCURATE, THE TANK AND ACCURATE	IKO, TIMB TOOL OF			101	
10	194	80TT08	DESCRIPTION, CONTENTS, BYC.	2779	WEAD. DOTTE	TOOR POPE, DAITE
AH Vinta " "B"	3343	3373	DST #1 (3343-3373) MISRUN red 8h w/ g-fgd 88. occ.fr pr	Vinta "b"	1374 3374	Sub Sea
Green Alver						
STATE Creek	3714	4200	grn sh w/ ss, frl-lae, p-fr porosity trace oil stain	Evacuation Creek	3114	+1084
	4200	601.0	gn sh w/ vfy brn ss vfg, trace brn oil	G.R. Sands	. 3823,	+ 945
* 5 6			stain or - vfg-mg w ss. 'p-fr porosity w/ gy-brn sh	Parachute Creek	4376!	+ 422
THE Garden Gulch	6010	6700	gy sh s thin as, vig-fg, poor porosity	Garden Gulch	6013	-1215
P-12-96	6700	7300	gy sh w/ wh ss, pr-fr porosity trace brn oil stain	Douglas Creek	6685	-1085
S. Wasatch	7300	7919	red-brn sh w/ whas, p-fr pos., aporty oil stain	Wasatch	7231'	-2433'

80\p0.9

A SERVICE SERV

0089 889 FAX NO.

STATE OF UTAH OIL CYZ

2EP-12-96 THU 09:53 AM

			-				 [sxs "Hi-lift"	
5-1/2"	1	5.5#	715	2 '	-	7-7:/8			n, 630 sxs "G"	
8- 5/8	2	4#		51		12-1/2	275	sxs "H"		
CASING SIZE	WEIG	RT, LB./FT.	DEPTH 8			LE SIZE			ING RECORD	AMOUNT PULLED
28.	, 000	······	CAG	ING REC	ORD (Per	port all strin			DESTRIBUTED ON	
CDCN, DIL							The second	I CARLE CALL CO	AS& MINING	No
26. TTPE ELECTRI	C AND OTHE	LOGE BUY					K77	<u> </u>		NO WAS WELL CORED
6806-6913							MILL	I WASHE II	£ 11997	Ma
24. PRODUCING IN 6901-7044	Green	River	PLETION—TO	P, BOTTOM	, NAME (MD AND TAD				25. WAS DIRECTIONAL SURVEY MADS
7166'			7063'			ก/ล	MU	ME TO TE	THE THE	
20. TOTAL DEPTH, 1	KD 4 TVD	21. PLUG, BA	CK T.D., MD	110 2		LTIPLE COMP	K	ARE WATE	TO THE PROPERTY.	CABLE TOOLS
8/26/85		20/85	1	1/13/8	5				KB. 4695 DF	4681 '
15. DATE SPUDDE) 16. DAT	E T.D. REACH	ED 17. DA	TE COMPL.	(Ready 1	to prod.)	1			BLEY. CARINGHEAD
	Same			43	-047-3	31646		/24/85	Vintah	Utah
·	C			14. P	ERMIT NO	·	DATE	ISSUED	12. COUNTY OR	13. STATE
At total dept	<u>հ</u> Same								Sec. 32, T6	S, R21E
At top prod.	interval rep	orted below								0 7017
		FEL 218	1' FSL						11. SEC., T., R., M. OR AREA	OR BLOCK AND SURV
4. LOCATION OF	WELL (Repor	t location ci	early and in	sccordance	oe with es	ny State requ	uirem er	ite)*	Horsesho	e Bend
500 N. Lo						9701			10. FIELD AND PO	- :
3. ADDRESS OF						-			32-1-	J
		orporati	on						Stirr	цþ
2. NAME OF OPE		> L	DACK	E	54K. [_]	Other				
NEW X	WORK (PLDG BACK		SVR.	•			S. PARM OR LEAS	
L TYPE OF C	OMPLETION		M MEEL	الا	DRT L	Other			7. UNIT AGREEME	NT NAME
In TYPE OF W	ELL:	OIL WELL		***		KEPOKI	Al	D LOG		
WELL C	OMPLE	TION O	R RECC	MPLE	TION	DEDODI		ID LOG*		OTTES OR TRIBE NA
									МТ	40226
		N OF OIL							5. LEARE DESIGN	ATION AND SERIAL
	DEPARTN	ENT OF			JRCES	•		everse side,		
		STATE	O TA	н				N DUP	L	56 64 0

ACKER SET (MD)
AC

31. PERFORATI 6901.03,07,13,23,33,41,54,56,58,63,65,70, 72,82,84,91,7025,27,44 - 20 Hole - 2 SPF 6806,08,10,13,19,30,45,58,62,77,85,6901,03, 07,13' - 15 holes - 2 SPF - .38''

82. ACID, SHO	T. FRACTURE, CEMENT SQUEEZE, ETC.
DEPTE INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6901-7044	80,000# 20/40 sand, 40# gel
6806-6913'	66,000# 16/30 sand, 40# gel

83.*	· - · · · · · · · · · · · · · · · · · ·	•	PRO	DUCTION					
PATE FIRST PRODUCT 11/13/8	1	on METHOD (Flo	wing, gas lift, p	umping—eise and t	ype of p	ump)		WELL STAT	US (Producing or Producing
DATE OF TEST	HOURS TESTED	CROKE SIZE	PROD'N. FOR	OIL-BÉL.	GAB-	NCF.	WATE	R-BBL.	GAS-OIL BATIO
11/18/85	24	2"	TEST PERIOD	180		300	2.	5	1667
PLOW, TUBING PRIME.	CABING PRESSURE	CALCULATED 24-ROFE BATE	01L—88L. 180	GAS-MCT.	300	WATER-		OIL	GRAVITY-API (CORR.)
34. DESPOSITION OF G				off casing		gas.	TEST	witheased arl Sta	BT
\$5. LIST OF ATTACE			•				<u> </u>		

n/a

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Production Secretary (915)683-5449

NSTRUCTIONS

or both, pursuant to applicable Federal and/or State laws and correct well completion report and types of lands and leases to either a Federal and/or state laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local federal and/or State office. See instructions on items 22 and 24, and 35, below regarding separate reports for separate completions.

If not fled prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments about the little of applicable State requirements, locations of Federal office or Federal and/or State laws and regulations. All attachments or Federal office for specific instructions.

Here 12: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. There is no interval to be expansely produced, showing the interval reported in items 33. Submit a separate report (page) on this form, adequately identified, from the additional data pertinent to such interval.

Here 23: "Socks Coment": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Here 23: Submit a separate completion report on this form for each interval to be exparately produced. (See Instruction for items 22 and 24 above.)

27. BUMMARY OF POR SHOW ALL INTERVAL DEFTH INTERVAL	OUS ZONES: htany sones of Pol tested, cuseron	ROBITY AND CONTENT USED, THER TOOL OF	87. SUMMARY OF POROUS ZONES: BHOW ALL IMPORTANT SONES OF POROSITY AND CONTENTS THERSOF; COSED INTERVALS; AND ALL DEILL-STEM TREES, INCLUDING DEPTH INTERVAL TREEDO, CUSERON USED, TIMB TOOL OPER, PLOWING AND SHUT-IN PARSSURES, AND RECOVERING	OBOLOGIC MARKERS	
PORMATION	404	MOTTOR	DESCRIPTION, CONTENTS, STC.	 106	
				KSAB. DUTTE	MSAB. Derte Thus very. Berte
Uinta-Duchesne River	Surface	3692 '			
Green River	3692	7107			

E

7107

Wasatch

STATE OF U H DEPARTMENT OF NATURAL RESOURCES DIVISION OF OU CAS AND MINING

SUBMIT IN DUPLINGE (See other instruction reverse side,

D	IVISION OF	OIL GAS.	AND MINI	NG	•			1	5. LEARE DE	HENAT	ION AND BERIAL NO.
		, - ,							ML-22036		
WELL COA	APLETION	OR REC	OMPLET	ION R	EPORT /	AND	LOG	*	6. IF INDIAN	, ALLUT	THE OR TRIBE NAME
1 TYPE OF WELL	e: Oil.	L X GAS	🗆	PRT (Other				7. UNIT AORI	LEMENT	HAME .
L TYPE OF COMP											·
MELT X	OLET DE	PLI BAC	K D	WE O	Other				S. FARM OR		
2. HANE OF OPERATO		2							APCOT-		e
Fina Oil and 3. ADDRESS OF OFER		Company		•	· .				32-2	•	
1625 Broad way	, Suite 16	00, Denv	er , CO	80202	•		• .		10. PIELD AN	1001	L, OR WILDCAT
4. LOCATION OF WEL	•	•	in accordance	c with any	State requir	cmex Li)*		Horses	hoe	Bend
At surface 196									OR AREA	B., M., (OR BLOCK AND BURYEY
At top prod. inte	LANT LEBOLISCO DE	same					-				·
At total depth	same							·	Sec. 32,		
•		•	24. 7	ERNIT NO.		DATE I	SSCED		12. COUNTY PARISH	OE	13. STATE
					-31626		0/85		Uintah-	1 10	UT ELET. CARINGREAD
15. DATE SPUDDED	15. DATE T.D. 1	REACHED 17.	NATE COMPL.	(Ready to	prod.) 18.	ELEV	ATIONE (DI	, eel, e	T, SL, ETC.)*	**	
6/5/85	7/2/85	<u> </u>	8/31/85			4845	GL.		BOTARY TOO	LE	CABLE TOOLS
20. TOTAL DEFTE. NO	1	IG. BACK T.B.,	ED A TVD	HOW MA	HPLE COMPL.			LED BT		ſ	1 37/3
8292 1 24. PRODUCING INTER		150'	-202 207703	XANE (N	D AND TYD)*			<u>→ 1</u>	<u>0-TD</u>	12	N/A
7408-7483'											SCRYET MADE
6927-7196'		iver For	•	•			-				No
26. TTPE ELECTRIC A	NO OTHER LOCK	ECH	<u></u>					 :		27.	THE WELL CORED
DIFL/ML/BH	C-ACTS/FDC	-CNT./FDA	TOG/CB	г.			-		: '	<u> </u>	No
23.	·				ort all strings	pet in	seell)				•
CARING SIZE	: WEIGHT, LL.	/FT. DEFT	H SET (MD)	HOI	LE SIZE		. CEM	ENTING	RECORD		AMOUNT PULLED
8 5/8	24	4	31	12	1/4		rc. to				
5 1/2	17	828	4.5	7	7/8				50/50 PO		
						2nd	ST. 6	10 Sx	Pace se	<u>tter</u>	lite
	1	i			· · · · · · · · · · · · · · · · · · ·	!			class H		!
2 6.		LINER REC					30.		DEFTE SET (PACKER BET (MD)
	707 (XD)	BOTTOM (N	D) SACKE	CEMENT.	BCREEN (M	B)					
	<u> </u>						2 7/	8 -	7283		
\$1. PERFORATION REC	OLD (Intered,	i one nume	er)		1 32.	۸۵	D. SHOT.	FRACT	URE, CEMEN	T SQT	JEEZE, ETC.
Wasatch: 740	· · · · · · · · · · · · · · · · · · ·			5 '-74 72							MATERIAL DEED
747	7'-7483',	19 holes	, 1/2'		7408	-748	3'	42000	Gal APP	OLO	40; 107000
Green River:					98	,			/40 sd		
7023, 7032, 7					6927'	-719	6'	77000	Gal App	olo	40: 201000:
7141, 7153; 5	9; /1/9; /1	01, /195	, /196	23 note	9			# 20	/40 sd		
33.*					DUCTION	-1		1	1		US (Producing or
DATE FIRET PRODUCT	72.0	DUCTION METI	ios (Flouring	, gas lift, p	nwbinb	ene i	Abe of bas	~ p)	, in	wt-in)	
08/31/85	i p	umping	1	D'K. FOR	OIL-BBL		G43-H	Cr.	WATER-R	RL.	Prod
	ļ	, (2022		T PERIOD	1		1	•••	1		
08/31/85	LABIPE PARES			—anl.	1112	-xc7.	<u> </u>	WATER.		Ott	GRATITT-API (CORE.)
		24-800	→ LUTE	112 ·			l				32-1
34. DIEPOLITION OF G		or Juel, review	, etc.)						TEST WITH		
Vented;	to be sold								Jerry G	rone	r
es. LUST OF ATTACK		•									
36. I bereby certify	they the determ	ATT ATTA	bed informat	tion is com	picte sad cor	rect A	determin	ed from	all avallable	record	ie .
	-HAN-									,	0/09/85
	r () 1 ~ ·	. ,			• • •	-	•		DY,	TT'	

NSTRUCTIONS

or both, pursuant to applicable Pederal and/or State have and regulations. Any avenuary appellations concerning the use of this form and the number of copies to be abundant to applicable Pederal area, or regional procedures and some choice or will be included by, or may be obtained from, the local Federal and the solutions on items 22 and 21, and 32, below regarding activity for according to a period of the solution of items 22 and 21, and 33, below regarding acquired for according and price of the solution of items and regulations. All attachments the solutions and regulations. All attachments the notion and pressure tout, and the solutions. All attachments are included the solutions. All attachments and pressure tout, and the solutions. Ossers This form is doubled for submitting a complete and correct well completion report and log ou all types of lands and leaves and correct well complete and correct well completed and correct or a Blate arener.

or Federal office instructions.

Item 18: Indicate apecial instructions.

Item 18: Indicate which elevation is necessary and otherwise shown) for depth meaning from in otherwise show the producing them. 22 and 24 and in item 22, and in item 24 ahow the producing them. 22 and 24 indicated them. 22 and 24 indicated them. 23 and 24 indicated them. 24 and 24 and indicated them. 24 and 24 and indicated them. 24 and 24 and indicated them. 24 and indicated them. 25 and 24 indicated to be reparated to the completion of the completion of the completion of the completion of the completion for the form for each interval to be reparated to the completion report on this form for each interval to be reparated to the completion report on this form for each interval to be reparated to the completion report on this form for each interval to be reparated to the completion report to the completion report on this form for each interval to be reparated to the completion report to the completion report. How it if there are no applicable State requirements, locations on Rederal or fution land about the described in accordance with Federal requirements. Countl local Blate



11, RUMKART OF POROUGE ZONDR:	OUS ZONES: TANT TOMES OF FOR	MART OF POROUG ZONER:	TE THERMOT! CORED INTREVALE; AND ALL DRILL-STEM TRETE, INCLUDING THE PLOWING AND BRUTLE PERSONER, AND RECOPPRING	38.	OBOLOGIC MARKERS	
NOIS THE CO.	101	KOTTOR	PRACRITION, CONTRATS, BTC.	# N	101	
					MEAS. DOPTE	THUR TREE, PRITE
Uinta "B"	3340'	3850	Alternating red/green/white an a ss w gas s	SIOW		
Green River	3850	1	[
Evacuation				Uinta "B"	3340'	;
Creek	3850'	4400	white ss & gray shale	Douglas Cree	4	
Parachute			·			
Creek	4400'	0909	white siltstone & black shale			
Garden			-			-
Gulch Gulch	,0909	6684	white siltstone & calcareous gray shale			(
Selnud			-	•		
Creek	6684	7170	• white ss woil & gas & gray shale			
Wasatch	7170'	8300	red/purple siltstone & gray/green shale			
			•			
						-
-			•			
			-			
		- 				· · · · · ·



Form \$160-4 (November 1983) (formerly 9-330)

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATION (Medical interest a side)

Form approved. Budget Buresu No. 1004-0137 Expires August 31, 1985

5. LEABE DESIGNATION AND SERIAL NO.
U-28212

WELL CO	MPLE1	ION (OR REC	MO	PLETION	REPOR	1A TS	ID LOC	3 *	O. IF INDIA	M. ALLE	THE OR TRIBE NAME
I. TYPE OF WE	LL:	OIL WELL	E GAI		DRY 🗌	Other			-	7. UNIT ACI	REEMEN	T NAME
L TYPE OF COM										· _	_	
WEST.	OVER [D EN DEEL-	- I''	re 🗆	DIFF.	Other				S. FARM OR	LEASE	NAMB
2. NAME OF OPBRA	TOR									Fed	eral	<u></u>
Alta En	ergy Co	rporat	tion							9. WELL NO		
3. ADDRESS OF UP	ERATOR									33-	4-D	
500 N. Lora	aine, S	Suite 9	900, Mi	dland	i, TX 7	9701				10. PIELD A	ND POO	L, OR WILDCAT
4. LOCATION OF WI					ordance with a	ny Blate re	equiremen	ite)*		- Horse	shoe	Bend
At surface	778'	FWL ar	nd 533'	FNL						11. BEC., T.,	R., M.,	OR BLOCK AND BURYES
At top prod. in		orted belo	₩							1		S, R21E, S.L.
At total depth	Same									500. 55	, 20	o, REID, D.D.
	C			ŕ	14. PERNIT NO		2475	188UED		12. COUNTY		1.12
	Same		,	`						PARISH	-	18. STATE
. DATE SPUDDED	16. DAT	E T.D. REA	CHED 17.	DATE C	43-047-3			/2/85		Uintah		Utah
2/27/86	1	16/86		5/14		, ,	1			RT, GR, ETC.)*	1	
D. TOTAL DEPTH, MD			BACK T.D., 1			I.TIPLE CO		KB, 49			_'	901
7300'		725	501		How.	MANT*			LED B			1
. PRODUCING INTE	RVAL(8). C			-TOP, B	OTTOM, NAME (MD AND T	VD)*	<u> </u>		<u> </u>	1 2	5. WAS DIRECTIONAL
7158-7237					·		-				[SURVEY MADE
6963-7122'												No
. TYPE ELECTRIC			'n								1 27. W	TAB WELL CORED
CDCN, DIL												No
				CASING	RECORD (Re	sort all at	rings set	im socii)	-		L	
CABINO BIZE	WEIG	RT, LB./F1		H SET		OLE SIEE	1		ENTIN	G RECORD		AMOUNT PULLED
8-5/8"	2	4#		370		12-1/4	24	5 sxs '	'H''	w/ 3% CaC	1	
5-1/2"		5.5#		7 300	·	7-7/8				w/ 2% CaC		
							<u> </u> :_					& 2% CaC1
							_ -					11. 4
).		L	INER REC	ORD				30.		TUBING REC	ORD	<u> </u>
SIZE	TOP (M	D), [BOTTOM (N	D) 8/	CKE CEMENT.	BCREEN	(MD)	SIZE		DEPTH SET (MD)	PACKER SET (MD)
n/a								2-3	/8"	6944'		
		1									•	
. PERFORATION RE 7158,61,64	CORD (Inte	erval, atec 96-790	end numbi	er) R 22	25£72371	82.	A	CID, SHOT.	FRA	CTURE, CEMEN	T BQU	EEZE, ETC.
- 2 SPF. 2			,,,,,	0,22,	,230,23,		INTERVA			AMOUNT AND KI	ND OF	MÄTERIAL USED
6963,85,88		-	34.37.4	4.61.	.68.86.92	71.	58-723	7'				7000# 20/40 s
94,7106 &					,,							3000# Q0/40 £
		,	,			690	<u>63-712</u>	2'	110),000# 20/	40 s	and, 40# gel.
3.•												
TE FIRST PRODUC	TION	PRODUC	TION METU	OD (Fla	PRO wing, gas lift, j	DUCTION		lune of ar-		1		o (Deadard's a se
				(: 10	•			·spc v) pun	· p ;		ut-in)	8 (Producing or
5/28/8	Horas	TESTED	CHOKE	815.0	PROD'N. FOR	Pumping		GAS-NO	·p	WATER-PE		roducing
6/1/86		24		11	TEST PERIOD	1		100		65	· 2·	400
O/1/80 OW. TUBING PRESS.		PRESSURE			OII.—BBI		250	1 10		(O) RBB(.	1 011 6	HAVITY-API (CORR.)
		35#	24-HOUR		250	1	10	no I		65	1	31.0
. DISPOSITION OF			uel, vented.	etc.)	230	1	1(,,,		TEST WITH	1	
Vented exc			-	-	er & tank	s off	casing	head o	as.	Earl		
LIST OF ATTACE			ր առը ,		~ cank		-40-46	,uu g		l Larr		- J
3. I bereby certif:	that the	foregoing	and attach	ed info	rmation is com	plete and	correct a	s determine	d fro	m all available	records	
K		_		_	M TITLE _							
SIGNED _	vm \	-iU	IIKA	na	TITLE _	Produ	ction	Secret	ary	DAT	E <u>6/</u>	3/86

a.	TRUE VERT. DEPTH						
TOP	MEAS, DEPTH						- <u>-</u>
	NAME		÷				
Vecoveries):							
ROTTOM		3918	E	,			
TOP		Surface	3918'				
recoveries):	TOKWALION .	Ulnta	Green River		X		

STATE OF UT DEPARTMENT OF NATUR ... RESOURCES

DIV	VISION OF OIL,	GAS, AND I	MINING	i				1	** **********		
								MI	22036		TAVE
WELL COM	PLETION OR	RECOMP	LETIC	N RE	PORT A	ND	LOG-	6. 5	INDIAS, ALLC:	TEL OL TRIBE	
TYPE OF WELL:			DET					7. UK	T AGREEMENT	PAME	
		ARTI TX	DET		her		155			•	
YEA U A	-	PLGC [PITT.	Π -	REC	E!	AFD	S. FAR	M OF LEAS	KTRE	
*	rea L Ex L	BACK L	FERAL	<u>U</u>	(364)				CC-STATE		
2. RAME OF OPERATOR					_ ~~	- 0	1985	9. W.E			
ina Oil and C	hemical Compa	ny			OCI	25	1985		32-4	•	•
1. ADDLESS OF OFERE							- 011	10. 73	ELD AND FOOT	. OR WILDCAT	
625 Broadway	Suite 1600,	Denver, C	0 8020	2		نثبي	VOF OIL	i	rseshoe		
4. LOCATION OF WELL	(Report lecetion the	INTA REC IN SEC.	NE S		AS	SE	MINING	12. 5	2C. 2. 2. 2. 4.	DE BLOCK AND F	EVET
At surface 1080	FNL & 2287	FDD (•			O I	AZZA .		
At top prod leter	rai reported below	same					•	Ì		•	
		•						Sec	. 32,T6S	, R21E	
At total depth S	same	•					FECED	12. 6	DENTI DE	13. 47478	
			34. 7883		.1.			7.	TEISE	ит	
		<u> </u>	API.4	3-047-	<u>-31648 l</u>	6/	26/85	1 010	tah 125.	ELEY. CARINONI	-10
S. DATE SPUDDED	16. DATE T.D. REACH			esty to	ProC.) 18.		15705\$ (DF. E	6 K, 27, 92, 1			
8/24/85	9/02/85		03/85		-	48	00 GR	T. W. 100° 4	RY TOOLS	C4ELE 200	LS
29, 10144 BETE, MD &		K T.D. XD A TH	7 22.	HOK XA	PLE COMPLE	ĺ	DECLER			No	
3806'	3753	•	1		-	1	<u> </u>	(0-11	<u>' </u>	5. WAS DIRECT	OKAL
24. PRODUCING INTERV	AL(S). OF THIS CON	LETION-TOP.	SOTTOK, X	THE (RI	י (סדב פאג פ					ECEAES MYD	#
									1:	No	
Uinta B 330	60'-3398'								1 27.	THE WILL COL	3 .
26. TYPE ELECTRIC AP	C OTHER LOCK ICK				•	- .	÷			No	
DIFL/FDE-C	NL/BHC-AC/CBL	_			•		<u>- · · · · · · · · · · · · · · · · · · ·</u>	<u> </u>			
23.		でんされつ			rt d0 strings	ec i	· 100E)	TING RECORD		I LHOUNT PU	LLED
CASING SIZE	· VEICEL, LLJFE.	DEFTH SET	(Kp)		r stat		5-sx cla				
8 5/8	24# J55	416		12 1	/4			33 G FV			•
5 1/2	15.5# J 55	3806		77	/8	35	0 sx				
diameter and the second								······································			
	1	<u> </u>				1	30.	TERIN	G RECORD		
26.		ER RECORD		· · · · · · · · · · · · · · · · · · ·	SCREET (M		ATER		SET (MD)	PACES SE	(MD)
etzz .	201 (42) 30.	120K (Kb)	SACKS CE	X EXT	*****	-	2 3/8	3371'		N/A	
]			2 3/6	- 33,5			
		1			1 -4		m 5807. F	RACTURE	CEMENT SO	DETAIL ETC	N/A
SE. PERFORATION AND		WE MANUELD			DEPTE DO		,	ANOUKT	THE KIND OF	MATERIAL DES	⊅
Bridge plug	3490'	, ,	•	•••	DEPTE IN		-				
3360'-3368' }	2SPF with 4' CSG GUN, 23	or SSB2 C	Charge	5							
3392'-3398'	C30 G0M, 23	92									
				Pro	DCCL10x		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>				
77.		IOF HETHOS (F	lestrat. D			424	type o; pem))	AEIT ELT	ph (Producing	•
DATE FILET PEDOCCE										Sale _	
N/A	BOCAS TESTEE	Flowing	[FBOD"	K. POL	01i-11i		CLS HCI	€4	722 FR.	CAS-OIL BAT	10
PATE OF TRAT	1	1		PERIOD			1,276		1		
9/30/85	CARIFG PEPERCEL	18/64	OIL	88L	GL9-	¥Ø.		4701-0FL	· On	ORAVITI-AFI (-Jr.,
FLOW, TOMERS PERSON.	1	21-8078 8457	N/	'a ·	1	,27	6	1		N/A	<u> </u>
	1175 PSI	el, contec, ste.)							E ALMERSE		
		. •						1	Mel Stew	aro()	<u> </u>
To be sold										υ	
du. 245, VI 241908	-								EVALUATE		
St. 1 beredy ent=1	The singulations	and areached to	D) 07304 U0	5 10 GPE	piete sad cot		es determined	: [rom +li *	.V& LLABIC FECO	- 1-01	10-
	VAV				Petroleu				DATE _	10/09/	0 3
TOTAL	hai Giannini		7		FELLOTER						

NSTRUCTIONS

October 1 The form is designed for subscribing a complete and correct well on philips for all types of family and beases to ellier a Pedoral agency or a Blato agency.

Our both, prescribing the populative Soute from the subscribing of copies for the form, and the form, the focal Federal Combinative, prescribing by the regard to been, ar regional providers are effect on the providers for supposition of the contract of the form, are at the formal of the parallel for the parallel completion. The factorial and the formal subscribed for the parallel contract of the formal philes. The formal subscribed for the parallel contract of the formal philes. The formal subscribed for the parallel formal philes for the parallel formal philes.

If not the principal the time this annuary vecoul is unbuilted, replaced in the expension to the principal annual repulsion, and all all all achieved to oppose the properties of the properties

liem it if there are no upplicable State requirements, locations on Pederal or hadion land thought to described in accordance with Pertoral requirements. Consult facel Olato should be United on this form, are Hern 33,

iter. 19: indicate which elevation is refrecised twhere not otherwise shown) for depite measurements given in other spaces on this form and in any attachments. Hence 22 and in flem 25 abow the productor library as a state in the form, and in the productor intervals, or intervals, he intervals to be reparted for mindightand to remain the form, and intervals to be reparted for this well should also performed in the centure of any intervals. Minchest which he centure is now the delative of any intituted and into location of the centuring and the location of t ur Poleral affice for specific bentruellun.

Oliem Di Bubinli a separate completion regent on this form for each interval to be separately produced. (Bee instruction for liems 22 and 24 above.)

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		Įģ.		-										
			HOTE. DOLLE	3346 (KB)					•	•				
	IC NAR	_!		3346										
	CHOLOGIC MARKERS													
	_	#177		<u>න</u> ස										
	Ë	-		Uinta B			•							
	==		<u> </u>	· ·										
	. INCL.												- :	
	M TORT				•								••	
1	PRILLAT	BASCHIPTION, CONTRATS, DTC.		as a	· • ·_			•					•	
·	KO ALL Bem, ser	CONTE		shal					•		•	•		
	4 19174	CHIPTION		green										
32-4-57	KD 247mg	914		I-red/	•	٠							<u>ن</u> ــ	
32-	AN CONTRACT			Alt. sand-red/green shale									<u></u>	
	H. FO			Alt.									···	
•	CONTRES	7		Φ €*										
	14 F 5 N W	POLLOG		3368					-				•	
	UF FRAME		<u> </u>	· ·										
	TECHES	2		3357										
-	CT: SIMMARY OF FOROUS ZONME: L. Silen all inforcation to the of forest the Chieff the English of the Silen all Princests the Silen all infortable of the Silen all infortable of the Silen all infortable of the Control		<u> </u>										· · · · · · · · · · · · · · · · · · ·	
	FAY OF	FORMETION	æ	#17										
	NUMENT SE	151	Uinta B	Sand							•			• .
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SUBMIT IN DUPLIC UNITED STATES

(See other instructions on reverse side)

Form approved. Budget Bureau No. 42-R855.5.

5. LEASE DESIGNATION AND SERIAL NO.

DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

:									U-02		
WELL CO	MPLETION	OR REC	OMPL	ETION I	REPORT	AN	D:LO	3*	6. IF INDIAN,	ALLO	TTER OR TRIBE NAME
1a. TYPE OF WEL			L X	DRY .					7. UNIT ACRE	RMENT	r NAME
L TYPE OF COM		FLL WEI	LL	DRY L	Other						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
NEW X	WORK TO DE		<u> </u>	DIFF. EESVR.					S. FARM OR	EASE	NAME
2. NAME OF OPERAT		N L BAC	к 🗀	EESVR.	Other						h-Govt.
H. P. I					•				9. WELL NO.		
3. ADDRESS OF OPE									#1	<u>.</u>	
	tterson Bu	ilding D	enver	. Colora	do 80202	<u>.</u>					L, OR WILDCAT
4. LOCATION OF WE							<u>.</u>		Horses		•
At surface 760					•						OR BLOCK AND SURVEY
	•								OR AREA		
At top prod. int	ervan reported n	9610W							Sec. 29	, T	6S - R21E
At total depth	Same								<u>= 4</u> · · · · · · · · · · · · · · · · · ·		
			14	PERMIT NO.		DATE	(Saule)		12. COUNTY O	k	13. STATE
4 (5)	La linguage en en en e	. i. m iro gr							Dintah		Utah
5. DATE SPUDDED	16. DATE T.D.					. ELEV	ATIONS (D	r, reb, r	T, GE, ETC.)*	19. E	LEV. CASINGHEAD
							4 877 '	Grou	nd		
20. TOTAL DEPTH, MD	& TVD 21. PL	UG, BACK T.D., MI	A TVD	22. IF MUL	TIPLE COMPL.		23. INTE	RVALS LED BY	BOTARY TOOL	8	CABLE TOOLS
]			1000	~··· •			→	Rotary.		
24. PRODUCING INTER					(D AND TVD)*	1.1	·		<u> </u>	25	. WAS DIRECTIONAL . SURVEY MADE
3487 , 348	3 8', 3 504 '	, 35 05' ,	3 534	, 3565'							
Uinta Form	nation					. ;					
6. TIPE ELECTRIC	ND OTHER LOGS	RUN						······································		27. W	AS WELL CORED
						•			N 1,2 m/ 1	. T	-
28.		c	ASING R	ECORD (Rep	ort all strings	s set in	well)				
CABING SIZE	WEIGHT, LB.	/FT. DEPTH	SET (MI	D) HO	LD SIZE		CEM	ENTING 1	RECORD -	1	AMOUNT, PULLED
10 3/4	32	4	09	12	1/2		400 S	ax	F 7-1 41 4	<u>:</u> [
4 1/2	9.5	36	59	7	7/8	-	175 S	ax (5	0-50 Pozn	iix	
					٠	-			<u> </u>		
29.		LINER RECO	RD				30 .	T	UBING RECO	RD :	
SIZE	TOP (MD)	BOTTOM (MD	BACK	S CEMENT*	SCREEN (M	D) ::	SIZE		EFTH SET (MD)	PACKER: SET (MD)
							2 3/8	_	3502		No Packer
											<u> </u>
1. PERFORATION REC		ize and number)		82.			FRACTI	JRE, CEMENT	SQUI	eeze, etc.
1/2" Hyper		9 . 9	ca/ 1		DEPTH INT	PERVAL	(MD)	AMC	DUNT AND KIND	OF M	ATERIAL USED
1 - 3487		2 - 3	5341	· · · · · · · · · · · · · · · · · · ·				No	ne		
1 - 3488'		2 - 3	202	*		<u> </u>					
1 - 3504										- 9	
1 - 3505'					l	:	· .		•		
38.*					UCTION	11					······································
hut-In 3/19/		Flowing G		ig, gas lift, pu	mping—size	and ty	pe of pum	p)	- WELL S		(Producing or
						<u> </u>				ut-	
/10010/60	HOURS TESTED	CHOKE SI		ROD'N. FOR EST PERIOD	OIL—BBL.	i	GAS-MC	F.	WATER—BBL.		GAS-OIL RATIO
/18&19/69				>	<u> </u>		250	1-11-1	0	<u> </u>	0
FLOW. TUBING FRESS.	CASING PRESSO	RE CALCULAT		IL—BBL.	GAS			WATER	BBL.	DIL GR	AVITY-API (CORR.)
50 ∦	1300#		<u> </u>	0	50	,U		0			0
84. DISPOSITION OF G. To be sold				cration		:			TEST WITHESS		
TO DE SOLU		raberine	OCT D	OFGETOR			- :		J. D. 1	AUL	UCK
Cement Box		_			•				٠		
6. I hereby certify	-	ne and attach	dinform	tion is comm	ate and some	not	datamira	d fac-	11 awadiahia		·
o. I meren) ceruity		2 and accorde	7	ra comb	CLE MAN CVIT		~cretmine	a trom (ur avalladie fe	orus	
arange /	19916	San	*	MIMI IN	One	rate	1 14		T. 4	Me	rch 10 1060

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State sagency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be described in accordance with Federal requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 38. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Hem 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

,		TRUB VERT. DEPTH		
GEOLOGIC MARKERS	TOP	MEAS. DEPTH		
38. GEOLOG	E X Y			
!				
MCLUBI			. •	
TESTS, I				
ILL-STEM	s, ETC.	٠		
AND ALL DR SURES, AND I	DESCRIPTION, CONTENTS, ETC.			
CORED INTERVALS: AND ALL DRILL-STEM TESTS, INCLUDING AND SHUT-IN PRESSURES, AND RECOVERIES	DESCRIPTION	-		
				179 Commission
EN, FLO				त्राम्य विकास स्थापना विकास विकास स्थापना
NE TOOL OF	воттом			**
SED, TI	100		ing the second s	n de la composition br>La composition de la
SOF FOR	ia			
TESTED, CL	10F			
H INTERVAL	TION			
SHUW ALL MIUNTANT ZUNES OF FORGETY AND CONTENTS THEREOF. DETTH INTERVAL TESTED, CUSHION USED, TIME TOOL OFEN, FLOWING	FORMATION			

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-063636

Form 9-321 (May 1963)	DEPART	UNITED STAT ME OF THE SEOLOGICAL SU	INTERIC	SUBMIT IN TRIDE CATE® (Other instruction reverse side)	Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO.
SU (Do not use t	INDRY NOT	ICES AND REI	PORTS O	N WELLS ck to a different reservoir. possis.)	6. IF INDIAN, XCLOTTEE OR TRIBE NAME
1. GAS				······································	7. UNIT AGREEMENT NAME
WELL WEL		Dry Hola			8. FARM OR LEASE NAME
2. NAME OF OPERATO					Lingelbach-Gov't.
Kenneth	Luff, Inc.	· · · · · · · · · · · · · · · · · · ·			9. WELL NO.
1720 Col	oralo State	Bank Bldg	Denver. (Colorado 80202	1
4. LOCATION OF WELL	, (Report location o	learly and in accordan	ce with any S	tate requirements.	10. FIELD AND POOL, OR WILDCAT
See also space 17 At surface	below.)				Horseshoe Bend 11. sec., T., R., M., or BLK. AND
73	0" FSL, 740	' FEL			SURVEY OR AREA
					Sec. 29, T6S, R215
44		15. ELEVATIONS (Sho	w whether DF.	er, Gr. etc.)	12. COUNTY OR PARISH 13. STATE
14. PERMIT NO.		4877' G.			Uintah Utah
				() 1 D	
16.	Check A	ppropriate Box To	Indicate No	iture of Notice, Report, or C	
	NOTICE OF INTE	NTION TO:		Joseph States	JENT REPORT OF:
TEST WATER SH	TT-OFF	PULL OR ALTER CASING	·	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT		MULTIPLE COMPLETE		FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZ	E	ABANDON*		SHOOTING OR ACIDIZING	ABANDONMENT*X
REPAIR WELL		CHANGE PLANS		(Other)	of multiple completion on Well
(Other)			a all nertineut		etion Report and Log form.) including estimated date of starting and depths for all markers and zones perti
1. Fill 2. Spot 3. Shot 4. Sat 5. Pul 5. Pul 7. Set	led nole with ted 30 sx control of casing 30 sx cemer led casing the dry hole materials and from the cleaned frow the cleaned from the cleaned from the cleaned from the cleaned	it plug in and co 415° and si 4 1/2" casing irker with 5 s	led well 900'. Pulled 4 lout of potted 35 sx cement	• 1/2" casing to 2500' casing stub with tub sx cement plug 415 Filled cellar and . and S.L.M. require	345'. I leveled location.
ADDRAVED RV	Federal or State	money Villis	TITLEA	Hanager of Operation	DATE 1/17/78
CONDITIONS (F APPROVAL, IF	ANY:			•

Form 9-330 (Rev. 3-63)

UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN DUPLICATE.

(See other in-structions on reverse side)

Form approved Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

GE	OLOGICAL	SURVE	Y	Salt Lake 026222
WELL COMPLETION C	R RECOMF	LETION	REPORT AND LOG*	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
TYPE OF WELL: OIL WELL	GAS WELL	DRY 🔀	Other	7. UNIT AGREEMENT NAME
TYPE OF COMPLETION: NEW WORK DEEP-	PLUG BACK	DIFF. RESVR.	Other	S. FARM OR LEASE NAME

1a. TYPE OF WELL	L: 01	ELL	WELL	DRY	ZŽ (Other				7. UNIT	ACREEMEN	T NAME
b. TYPE OF COME				DIFF (V4368
METT		EEP-	BACK	DIFF. RESVR.	<u> </u>	Other					OR LEASE	
2. NAME OF OPERATO			_							9. WELL		. Lingelbac
Pan Amer		roleur	n Corpo	oration	<u> </u>					g. webb	1	
3. ADDRESS OF OPER			777	07	402	•				10. FIEL	D AND POO	L, OR WILDCAT
P. O. Box	x 40, Ca	sper,	wyomii	ng 04	th anu	State requi	rement	(8) *			Wildc	
4. LOCATION OF WEL	O'FSL,	TAOL T	TTI Se	ection	20	SE SE		-,		11. SEC.	, т., R., M.,	OR BLOCK AND SURVE
	-		ال ولديد		- /					OR A	REA	
At top prod. inte	erval reported	below								Sec. 2	29, T6	s, R21E
At total depth												
			Ī	14. PERMI	T NO.			ENCHEK A		12. COUN	TT OR	13. STATE
								11-22-		Uin		Utah
15. DATE SPUDDED	16. DATE T.D.	REACHED				prod.) 18	B. ELEV	O4 RI	F, REB, R	T, GR, ETC	.)• 18. End	ELEV. CASINGHEAD
12-5-63	2-3		·	y Hol						ROTARY		CABLE TOOLS
20. TOTAL DEPTH, MD	k TVD 21. P	LUG, BACK	r.d., MD & TVI	22. IS	OM MY MCFI	IPLE COMPL. NY*	••	23. INTE	JED BY		٠.	
8102'				<u> </u>	/	n (No mun)			<u>→ 5</u>	uriace	-8102	5. WAS DIRECTIONAL
24. PRODUCING INTER	VAL(S), OF TH	IS COMPLE	TIONTOP, B	OTTOM, NA	ME (W	ינטאר טאג ט					. [SURVEY MADE
N	one											no
26. TYPE ELECTRIC A	VD OFFIER TOO	e buy					 -				27. 1	VAS WELL CORED
Ind. Elec	twic Mi	a kon	Micro	olatero	log	Sonic	-GR					Yes
	tile, with	<u> </u>	CASINO	RECORT	(Ren	rt all string	s set in	n well)				
28. CASING SIZE	WEIGHT, L	B./FT.	DEPTH SET			E SIZE	T	CEX	IENTING	RECORD		AMOUNT PULLED
10-3/4"	32.7		4221]	511		40	0			None
10-3/1	1											
						-				•		
							<u> </u>				· ·	
29.		LINER	RECORD					30.		CUBING 1		()
SIZE	TOP (MD)	вотто	M (MD) 8	ACKS CEXI	*TK	SCREEN ()	(D)	SIZE	I	DEPTH SE		PACKER SET (MD)
											2.00	
						1		TD SHOW	I TOPA COT	-53. OF	CENT SO	JEEZE, ETC.
31. PERFORATION REC	cond (Interval,	, size ana i	numoer)			32.						
						DEFIE IN	12EAVA			00112	IEB 1	S 1304
Well was	not perf	orated										
										U. S	. GEULDE	ICAL SURVEY
										ZA	LT LAKE	CITY, UTAH
33.*						UCTION		•			•	
DATE FIRST PRODUCT	ION PR	ODUCTION	METHOD (Flo	wing, gas	lift, pi	ımping—size	and t	ype of pu	mp)		VELL STAT	B (Producing or
No Produ	iction		1 1 1	1 1 1	ı						Aba	ndoned
DATE OF TEST_	HOURS TEST	ED CH	OKE SIZE	PROD'N.		OIL—BBL.		GASM	CF.	WATER-	BBL.	GAS-OIL RATIO
				<u> </u>	→	li .				1		1
FLOW. TUBING PRESS.	CASING PRES	SURE CA	LCULATED -HOUR RATE	OIL-BB	L	GAS-	-MCF.	1	WATER-	BBL.	OIL	GRAVITY-API (CORR.)
				<u> </u>				<u>j</u>		TEST W	ITNESSED	BY
	LO (Cold wood	TOW THAT M	TAN EIC 1							, 17		

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

TITLE District Services Supervisor J. B. Jones SIGNED .

INSTRUCTIONS

or note, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35. It there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency

or Federal office for specific instructions.

Hen 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hen 22 and 24. If this well store completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, top(s), bottom(s) and mange(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Hen 29: "Sacks Generif": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hen 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	HOTTOM	DESCRIPTION, CONTENTS, ETC.	d, CONTENT	W. ETC.	NAME	TO BOT	Dugge wash strain
Plugging C	Plugging Operations			i di				
25 sack pl	sack plug 7380'-7300	300			i.s.	Green River Wasatch	3940° 7340°	
25 sack pl	<pre>sack plug 7100'-7020' sack plug 5620'-5540'</pre>	020° 540°		•	· · · · · · · · · · · · · · · · · · ·		,	
25 sack pl	sack plug 3980'-3900'	9001		1		:,		
25 sack plug 1	sack plug 1480'-1400'	4001				•	.	-
10 sack pl	lug at the	urface with	10 sack plug at the surface with marker erected			ľ	, s, t ·	
Verbal ap	proval to a	bandon red	Verbal approval to abandon received February 6,	1964,	Russell to Ross.	<u>-</u> 1.		
Coring Record	cord	J		,	°	•		
Core No.		9381			· .	t .		
Core No.	2 67881-7036' 3 7600'-7617'	036' 517'			I .	•		
				_		•		

SIGNED

18. I hereby certify that the foregoing is true and correct

(This space for Federal or State office use) APPROVED BY [ORIG. SGD.] 2. A. SMITH CONDITIONS OF APPROVAL, IF ANY:

J.B. Jones

DEPART OF THE INTERIOR	SUBMIT IN TOUCH OF CONTROL OF CON	ATE n re

Form approved. Budget Bureau No. 42-R142.

DATE JUN 26 1964

DEPA	GEOLOGICAL SURVEY		Salt Lake 026222
	OTICES AND REPORT		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL GAS		Market Control of the	7. UNIT AGREEMENT NAME
WELL WELL OTHI	Dry Hole		8. FARM OR LEASE NAME
_,	roleum Corporation		USA Lyle O. Lingelbac
3. ADDRESS OF OPERATOR	Toreum Corpora ion		9. WELL NO.
P. O. Box 40, Cas	sper. Wyoming 826	03	
4. LOCATION OF WELL (Report locat See also space 17 below.) At surface	ion clearly and in accordance with		10. FIELD AND POOL, OF WILDCAT Wildcat
760' FSL, 740' FE	L, Section 29 SE S	SE	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
			Sec. 29, T6S, R21E
14. PERMIT NO.	15. ELEVATIONS (Show whether	er DF, RT, GR, etc.)	12. COUNTY OR PARISH 13. STATE
	4904' RDB	48921 Gnd.	Uintah Utah
	Appropriate Box To Indicat	e Nature of Notice, Report, or	Other Data QUENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	\$HOOTING OR ACIDIZING	ABANDONMENT*
(Other)	CHANGE PLANS		ts of multiple completion on Well
proposed work. If well is dinent to this work.)* Well was drilled to	a total depth of 810	inent details, and give pertinent date locations and measured and true vert	s, including estimated date of starting any lead depths for all markers and zones perti-
-	1 OII OI gas and was	permanently abandone	d by pascing comen
plugs as follows:			DECENTED
	25 an ala -	1 72901 73001	BR. OF OIL & C. S. DEFREY TO
		lug 7380'-7300'	With the state of
		lug 71001-70201	MAR 1 1 1834
		lug 5620'-5540'	
		lug 3980¹-3900¹	U. S. GREE 4. STATE
		lug 3540¹-3460¹	SALT LAGE HI, AFAH
		lug 1480'-1400'	
•		lug 452'- 390'	
	10 sack p	lug at the surface with	marker erected.
Well was nlugged a	nd abandoned 2/8/64.	* * * * * * * * * * * * * * * * * * *	· · · · · · · · · · · · · · · · · · ·
was bridged a	em anathration e/0/04*	· · ·	
Well Site is clean	and ready for inspec	ction.	Nictorial Confession

TITLE District Services SupervisorDATE

DISTRICT ENGINEER

SUBMIT IN DUPLIC DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

(See other instructions on reverse side)

Form approved. Budget Bureau No. 42-R355.5.

5.	LEASE	DESIGNATION	AND	SERIAL	NO
	11-01	00285			

		`			1L 0011	v 🗀 1						0-OTO	UZO:	· ·
WELL CO	OMPLE	TION	OR R	ECON	APLETIO	N REP	ORT /	AN	D LC)G *	6.	IF INDIA	N, ALL	OTTER OR TRIBE NAM
1a. TYPE OF WE	ELL:	OII.	. 🗆	GAS WELL	DRY	Other					7.	UNIT ACE	REEME	NT NAME
b. TYPE OF CO	WORK	C DEEL	·	PLUG DACK	piff. nesvr.						-	FARM OR	IFAG	R. MARS
WELL,	OVER	L EN		BACK L		U Other					_1 _	Rowe	LEAG	W NAME
	P. McI	Lish		•							1	WELL NO		
3. ADDRESS OF OP						·					- -	#1		
704	Patte	erson I	Buildi	ng		•			•		10.		ND PO	OL, OR WILDCAT
4. LOCATION OF W	ELL (Repo	rt location	clearly	and in a			-		8)*		-	Wild	cat	
At surface 5	62° N/	/SL 549	5° E/E	L, Se	ection 2	8, T6S,	, R21E	C			11.	SEC., T., OR AREA	R., M.,	OR BLOCK AND SURVE
At top prod. in	iterval rej	ported belo	₩			•					3	ec. 2	8, 7	r63, R21E SI
At total depth											_			
					14. PERMIT		D		SSUED S-3-5	4:		county PARISH Intah		13. STATE Utah
5. DATE SPUDDED	16. DA	TE T.D. RE	ACHED	17. DATE	COMPL. (Rea	dy to prod) 18.	ELEVA	TIONS	(DF, RKB,	RT, GR,	ETC.)*	19.	ELEV. CASINGHEAD
6-4-64	6-1	14-64		5-1	.554			70.	5' G	L 4	981	KB		
5-4-54 5-14-54 5-15-54 4970.5° GL						ROT	ARY TOO		CABLE TOOLS					
4. PRODUCING INTE	ERVAL(S),	OF THIS C	OMPLETIO	N-TOP,	BOTTOM, NAM	IE (MD AND	TVD)*				<u> </u>		2	5. WAS DIRECTIONAL
None														NO MADE
6. TYPE ELECTRIC Schlum				Sonic					<u></u>				27. W	NO NO
8.				CASIN	G RECORD	(Report all	strings s	et in	well)					
· CASING SIZE	WEIG	HT, LB./FT	r. DE	PTH SET	(MD)	HOLE SIZI	C					AMOUNT PULLED		
7"	19	ó#		190*				100 sax 2% CaCl					None	
	_		_											
_ ·						***								
9.				NER RECORD				<u> </u>			CUBING RECORD			n.orm
SIZE	TOP (M	(D) . 1	BOTTOM (MD) 8	ACKS CEMEN	SCRE	EN (MD)	-	SIZE		DEPTH	SET (M)	D)	PACKER SET (MD)
				-			·	_ -						
1. PERFORATION RE	CORD (Inte	erval, size	and num	iber)		82.		ACIL	o, shor	, FRACT	URE,	CEMENT	SQU	EEZE, ETC.
	•		-			DEP	TH INTE	RVAL	(MD)	AM	OUNT	AND KINI	OF 1	MATERIAL USED
						ļ	·		•					
										ļ				·
										-				
3.*					P	RODUCTIO)N							
TE FIRST PRODUCT	MON	PRODUC	TION MET	HOD (Flo	wing, gas lif			d typ	e of pu	mp)		WELL !		8 (Producing or
ATE OF TEST	HOURS	TESTED	CHOKE	SIZE	PROD'N. FO		-BBL.		gas—n	CF.	WAT	er—BBL.		GAS-OIL RATIO
OW. TUBING PRESS.	CASING	PRESSURE	CALCUI 24-HOU	LATED JR RATE	OIL—BBL.	<u> </u>	GAS-MC	·F.		WATER-	-BBL.		OIL G	RAVITY-API (CORR.)
. DISPOSITION OF G	AS (Sold,	used for fu	el, vente	i, etc.)	<u> </u>	<u> </u>					TEST	WITNES	SED B	¥ .
5. LIST OF ATTACH	MENTS				· 2									
3. I hereby certify	that the	foregoing	and attac	ched info	rmation is co	omplete and	correct	as d	etermin	ed from	all ava	ilable re	cords	
	1	// =				ت سد. ر	2		<u>_///:</u>				r	1/9/64
SIGNED	((10 /		TITLE				<i>// /.</i>	<u>:</u>		DATE		19104

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Here 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 38. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Hem 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.) or Federal office for specific instructions.

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OI DEPTH INTERVAL TESTED, CUSH	OUS ZONES: TANT ZONES OF POI TESTED, CUSHION	MARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, PLOWING	S THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING EN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES	38. GEOLOG	GEOLOGIC MARKERS	
FORMATION	TOP	воттом	DESCRIPTION, CONTENTS, ETC.	MAN'N	TOP	ė.
	Ç	ì			MEAS. DEPTH	TRUB VERT. DEPTH
Unca	Suriace	57.5	Mondatones with variable amounts of inter- bedded sandstone.			
	Ran 30 25 10	Ran 30 sax regular cement 25 sax regular cement 10 sax regular cement	r cement from 3550-3700° r cement from 2000-2100° r cement from 175 -225°			
	10	10 sax regular cement f	rom			•
•		B 617 3: 1117	4" x 4" dry hole marker	BR. 0	0F 0F 0F 6F 6F 9F 9F 9F) S. DaTIN to
					SEP 1 0 234	\$101.00 PM
				3 7	U.S. PENTONEN CURVE SALT LANG CITY, UTAH	SURVEY

TED STATES SUBMIT IN TO THE INTERIOR (Other Instruction of the Interior verse side)

TI OF THE INTERNOT TELEVISION	O. DEADE PERION AL
LOGICAL SURVEY	11_0100295

GEO	LOGICAL SURVEY		U-0100285	
SUNDRY NOTICE (Do not use this form for proposals to Use "APPLICATION")	S AND REPORTS O		6. IF INDIAN, ALLOTT	
OIL GAS THER			7. UNIT AGREEMENT I	NAME
2. NAME OF OPERATOR H. P. McLis	jh .		8. FARM OR LEASE NA	IME
3. ADDRESS OF OPERATOR 704 Patterson	Bldg., Denver, Co	lorado	9. WELL-NO.	
 LOCATION OF WELL (Report location clearly See also space 17 below.) At surface 	y and in accordance with any St	ate requirements.*	10. FIELD AND POOL,	OR WILDCAT
562' N/SL, 545 E/WL of S	Sec. 28		11. SEC., T., R., M., OR SURVEY OR ARE SEC. 28, T.65	: ▲ ·
	ELEVATIONS (Show whether DF, R	T, GR, etc.)	12. COUNTY OR PARIS	H 13. STATE
4	970.5' GL, 4981 KB		Uintah	Utah
16. Check Approp	priate Box To Indicate Na	ture of Notice, Report, or	Other Data	
NOTICE OF INTENTION	TO:	SUBSE	QUENT REPORT OF:	
TEST WATER SHUT-OFF PULL	OR ALTER CASING	WATER SHUT-OFF	REPAIRING	WELL
· · · · · · · · · · · · · · · · · · ·	IPLE COMPLETE	FRACTURE TREATMENT	ALTERING (CASING
REPAIR WELL CHANG	GE PLANS	SHOOTING OR ACIDIZING	ABANDONNE	ENT*
(Other)	T T T T T T T T T T T T T T T T T T T	(Other)(Note: Report resul	ts of multiple completion	on Well
25 sax regular control of the sax regular contro	ement from 3550-370 ement from 2000-210 ement from 175- 22 ement from 0- 4 filled with heavy m a. dry hole marker	0' 5' 0' rud.	REVINE SERVICE	
S. I hereby certify that the foregoing is true SIGNED (This space for Federal or State office use APPROVED BY ORIG. SGD.) R. A. SMIT	TITLE	TRICT ENGINEER	DATE //	3.62 2 3 1964.
CONDITIONS OF APPROVAL, IF ANY:			÷	

NOTICE OF
HEARING
DOCKET NO. 97-018
CAUSE NO. 127-5
BEFORE THE BOARD
OF OIL, GAS AND
MINING DEPARTMENT
OF NATURAL
RESOURCES

STATE OF UTAH IN THE MATTER OF THE REQUEST FOR AGENCY ACTION OF SNYDER OIL CORPO-RATION FOR AN OR-DER APPROVING AN RECOV-ENHANCED ERY PROJECT BY WA-TERFLOOD AND WA-TER INJECTION IN **HORSESHOE** THE BEND FIELD IN SEC-TIONS 28, 29, 32, AND 33 OF TOWNSHIP 6 SOUTH, RANGE 21 EAST, S.L.M., UINTAH COUNTY, UTAH.

THE STATE OF UTAH
TO ALL PERSONS IN-TERESTED IN THE
ABOVE ENTITLED
MATTER.

Notice is hereby given that the Board of Oil, Gas and Mining ("Board"), State of Utah, will cona hearing Wednesday, Oct. 1997, at 10:00 a.m., or as soon thereafter as possible, in the Board Room of the Department of Natural Resources, 1594 Temple, Suite North 1040A, Salt Lake City, Utah.

The hearing will be conducted as a formal administrative adjudication in accordance with the Utah Code Ann. § 40-6-1 et seq., Utah Code Ann. § 63-46b-1 et. seq. (1953, as amended), and the Procedural Rules of the Board.

The purpose of the proceeding will be for the Board to receive testimony and evidence regarding an Order:

1. Providing for and approving the unitized management, operation, and development of the Green River formation in the Unit Area as a "common source of supply" (pool) the Unit Area consisting of the following described.

Act, persons requiring auxiliary communicative aids and services to enable them to participate in this hearing should call Christine Allred at 538-5327, at least three working days prior to the hearing date.

DATED this 25 day of September, 1997. STATE OF UTAH

BOARD OF OIL, GAS AND MINING DAVE D. LAURISKI, Chairman H. A. I. DED

CHRISTINE ALLRED, Secretary of the Board 1594 West North

Temple, Suite 1210 P.O. Box 145801 Salt Lake City, Utah 84114-5801 (801) 538-5327 Published in the Vernal

Express Oct. 1, 1997.

PROOF OF PUBLICATION

STATE OF UTAH,

} ss.

County of Uintah

I, SHEILA S. WHEELER,

being duly sworn, depose and say, that I am the Business Manager of The Vernal Express, a weekly newspaper of general circulation, published each week at Vernal, Utah, that the notice attached hereto was published in said newspaper

for 1 publications,

the first publication having been made on

the 1st day of October, 1997 and the last

on the 1st day of October, 1997, that

said notice was published in the regular and entire issue of every number of the paper during the period and times of publication, and the same was published in the newspaper proper and not in a supplement.

By Shule Ile Therely
Manager

Subscribed and sworn to before me, this 1st day of October A.D. 1997.

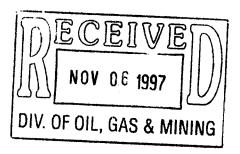
Motary Public, Residence, Vernal, Utah



JACK R WALLS
Notary Public
State of Utah
My Comm. Expires Jun 18, 2001
P O Bc: 1000 Vernal UT 84078

WELL BORE DIAGRAM FOR THE STIRRUP 32-6 BEFORE AND AFTER CONVERSION

WELL BORE DIAGRAMS FOR WELLS WITHIN ½ MILE RADIUS

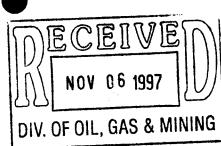


BEFORE CONVERSION

SNYDER OIL CORPORATION

PROPOSED STIRRUP STATE #32-6

NE/NE, SEC. 32, T6S - R2 I E HORSESHOE BEND FIELD UINTAH COUNTY, UTAH



PROPOSED OIL AND GAS WELL

LOCATION: 850' FNL, 800' FEL GL: 4813 KB: 4827 12-1/4" HOLE 9-5/8", K40 36# SURFACE CSG. 480 SX., CMT TO SURFACE - 7-7/8" HOLE GREEN RIVER PERFS: Top of Douglas Creek member Estimated at 6820' INDIVIDUAL SANDS WITHIN THE TOP 250' WILL BE PERFORATED 4 SPF/Sand FRAC W/ GELLED 2% KCL WATER, 100,000 LBS. 20/40 SAND INDIVIDUAL SANDS WITHIN THE BOTTOM 250' WILL BE PERFORATED 4 SPF/Sand FRAC W/ GELLED 2% KCL WATER, 100,000 LBS. 20/40 SAND 5-1/2", M50 15.5# PRODUCTION CSG. SET @ 7900"

NOT TO SCALE

то @ 7900' EXHIBIT M-1

Preliminary Design

Actual design may vary as needed.

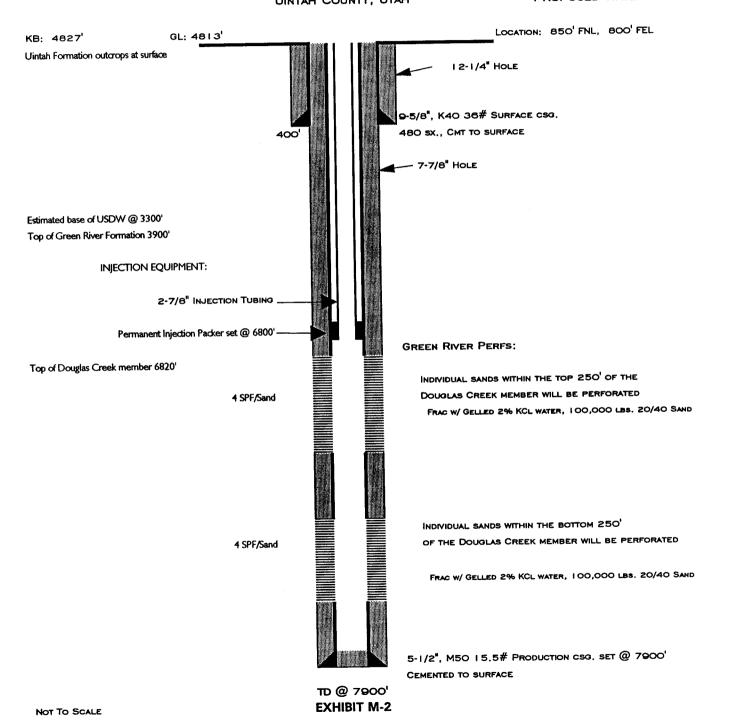
CEMENTED TO SURFACE

AFTER CONVERSION

SNYDER OIL CORPORATION PROPOSED STIRRUP STATE #32-6

NE/NE, SEC. 32, T6S - R21E
HORSESHOE BEND FIELD
UINTAH COUNTY, UTAH

PROPOSED WATER INJECTION WELL



Preliminary Design
Actual design may vary as needed.

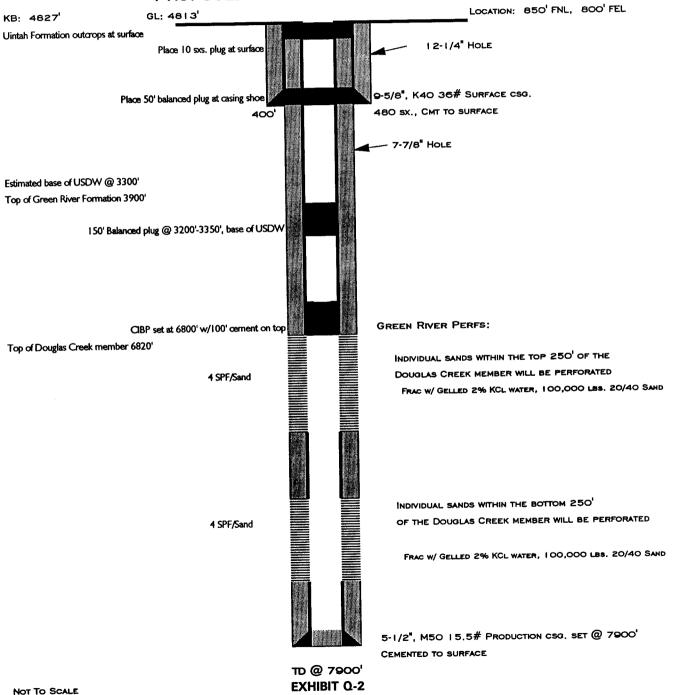
PROPOSED STIRRUP STATE #32-6

NE/NE, SEC. 32, T65 - R21E

HORSESHOE BEND FIELD UINTAH COUNTY, UTAH

WATER INJECTION WELL

PROPOSED ABANDONMENT PROCEDURE



Preliminary Design
Actual design may vary as needed.

STIRRUP STATE 32-2/APCOT STATE 32-2

SE/NE, SEC. 32, T65 - R21E HORSESHOE BEND FIELD UINTAH COUNTY, UTAH

LOCATION: 1967 FNL, 500 FEL GL: 4845 KB: 4855 12-1/4" HOLE SPUD DATE: 6/5/85 8-5/8", 24# SURFACE CSG. CMT TO SURFACE 431 - 7-7/8" HOLE TOC 2ND STAGE @ 2326 BY CBL 4536 - BAKER STAGE COLLAR BOC 2ND STAGE @ 4574 BY CBL TOC 1 ST STAGE @ 6590' BY CBL GREEN RIVER PERFS: 6927'-28', 6953'-53', 6973'-74', 6997'-98', 7023', 7032',7054', 7074'-75', 7119' 23 Total feet 7123', 7139', 7141', 7153',7159', 7179',7181' 23 Holes 7195'-96' FRAC W/42,000 GAL. FLIUD, 201,000 LBS. 20/40 SAND WASATCH PERFS: 7307 30' (SQUEEZED W/ 150 SXS CMT), 21 Total feet 7408-10', 7427-33', 7465-72', 7477-83' 19 Holes FRAC W/42,000 GAL. FLUID, 107,000 LBS. 20/40 SAND PBTD @ 8150' 5-1/2" 17# PRODUCTION CSG. SET @ 8285" CEMENTED IN 2 STAGES TD @ 8292' 775 sx - 50/50 POZ 710 SX - LIGHT & CLASS H **EXHIBIT C-6**

STIRRUP FEDERAL 32-1-J

NW/SE, SEC. 32, T6S - R2 I E

HORSESHOE BEND FIELD

UINTAH COUNTY, UTAH

KB: 4696

GL: 4681'

LOCATION: 2181' FSL, 1954' FEL

12-1/4" HOLE

SPUD DATE: 8/26/85

355

8-5/8", 24# SURFACE CSG. 275 SX., CMT TO SURFACE

-- 7-7/8" HOLE

TOC 2ND STAGE @ 2597 BY CBL

3385' - DV TOOL BOC 2ND STAGE @ 3388 BY CBL

TOC 1ST STAGE @ 5875' BY CBL

GREEN RIVER PERFS:

6806', 6808', 6810', 6813', 6819', 6830', 6845'. 6858', 6862', 6877', 6885', 6901', 6903'. 6907', 6913'

FRAC 40# APOLLO GEL, 55,600 LBS. 16/30 SAND

SCREENED OUT

6901', 6903', 6907', 6913', 6923', 6933', 6941'. 6954', 6956', 6958', 6963', 6965', 6970', 6972'. 6982',6984',6991', 7025', 7027',7044' FRAC W/41,900 GAL. 40# APOLLO GEL, 55,000 LBS. 20/40 SAND, SCREENED OUT

PBTD @ 7063

TD @ 7166

EXHIBIT C-5

5-1/2" 15.5# PRODUCTION CSG. SET @ 7152" CEMENTED IN 2 STAGES:

630 sxs.

385 sxs.

FEDERAL 29-3

SE/SE, SEC. 29, T6S - R2 | E

HORSESHOE BEND FIELD

UINTAH COUNTY, UTAH

KB: 4970

GL: 4956'

LOCATION: 388' FSL, 237' FEL

SPUD DATE: 7/7/85

TOC 2ND STAGE @ 2420' BY CBL

12-1/4" HOLE

8-5/8", 24# SURFACE CSG., J55

CMT TO SURFACE

- 7-7/8" HOLE

BOC 2ND STAGE @ 4560' BY CBL

TOC 1ST STAGE @ 5026 BY CBL

GREEN RIVER PERFS:

7001'-03', 7021',7023',7043',7045',7047',7049', 7073',7075',7077',7079',7097',7099',7104'. 7106'.7130'.7132'.7134'.7136'

7235'-40', 7253'-55', 7261'-66', 7273'-74',

FRAC W/63,000 GAL. FLIUD, 152,000 LBS. 20/40 SAND

7292'-95' FRAC W/36,200 GAL. VERSAGEL, 18,000 LBS. 20/40 SAND, SCREENED OUT

REFRAC W/50,300 GAL. VERSAGEL, 87,500 LBS. 20/40 SAND

WASATCH PERFS:

7486'-7546'

FRAC W/39,900 GAL. VERSAGEL, 51,200 LBS. 20/40 SAND, 8000 LBS 100 MESH SAND - SCREENED OUT

7634'-7648'

FRAC W/37,260 GAL. VERSAGEL, 37,000 LBS. 20/40 SAND, SCREENED OUT

5-1/2" 17# N80 PRODUCTION CSG. SET @ 7699" CEMENTED IN 2 STAGES:

TD @ 7703' **EXHIBIT C-3**

675 sx 400 sx

22 Holes

34 Holes

30 Holes

41 Holes

PBTD @ 7672

FEDERAL 33-4-D

NW/NW, SEC. 33, T6S - R2 I E

HORSESHOE BEND FIELD

UINTAH COUNTY, UTAH

LOCATION: 533' FNL, 778' FWL KB: 4920 GL: 4901 12-1/4" HOLE SPUD DATE: 2/27/86 8-5/8", 24#, J55 SURFACE CSG. 245 SX. CLASS "H", CMT TO SURFACE 7-7/8" HOLE TOC 2ND STAGE @ 2160 BY CBL 3493' - DV TOOL BOC 2ND STAGE @ 3492' BY CBL TOC 1 ST STAGE @ 5376' BY CBL GREEN RIVER PERFS: 6963', 6985', 6988', 6991', 7004', 7030', 7034', 7037', 7044', 7061', 7068', 7086', 7092', 32 Holes 7094', 7106', 7122 FRAC 1122 BBLS. 40# GEL, 110,000 LBS. 20/40 SAND 7158', 7161', 7164', 7169', 7175', 7196', 7208', 7215', 7218', 7222', 7225', 7237' 24 Holes FRAC W/37,000 LBS. 20/40 SAND, ABORTED JOB, EQUIPMENT REFRAC W/920 BBL. 40# GEL, 63,000 LBS. 20/40 SAND, SCREENED OUT AT END OF JOB PBTD @ 7250' 5-1/2", 15.5#, J55 PRODUCTION CSG. SET @ 7300" CEMENTED IN 2 STAGES: 420 SXS. CLASS "A" TD @ 73001 I 10 sxs. HiFill, 50 sxs. CLASS "A" **EXHIBIT C-7**

STATE 32-1

NW/NE, SEC. 32, T6S - R21E
HORSESHOE BEND FIELD
UINTAH COUNTY, UTAH

LOCATION: 660' FNL, 2138' FEL KB: 4798 12-1/4" HOLE SPUD DATE: 12/14/84 9-5/8" SURFACE CSG. 320 SX., CMT TO SURFACE -- 7-7/8" HOLE TOC 2ND STAGE @ 2960' BY CBL BOC 2ND STAGE @ 4750' BY CBL TOC 1ST STAGE @ 5120' BY CBL GREEN RIVER PERFS: 6850' - 6858', 6864' - 6873' FRAC 26,000 GAL. VERSAGEL, 10,400 LBS. 20/40 SAND 68 Shots 6918' - 6934', 6953' - 6957', 6971' - 6776', 6981' - 6992' FRAC 37,000 GAL. VERSAGEL, 53,000 LBS. 20/40 SAND 70 Shots 7026' - 7040', 7072' - 7081' FRAC 43,000 GAL. VERSAGEL, 16,600 LBS. 20/40 SAND 92 Shots PBTD @ 7790

5-1/2" PRODUCTION CSG. SET @ 7908'
CEMENTED IN 2 STAGES: 1850 SXS. TOTAL

то @ 7919¹ EXHIBIT C-4

BASIS FOR MAXIMUM PRESSURE

ATTACHMENT H

OPERATING DATA

The daily volumetric injection rate for the initial proposed injection well (Stirrup State #32-6) will be at its maximum at the initiation and will subsequently decrease to a stabilized injection rate anticipated to be approximately 500 BWPD.

The injection rate will be constrained at all times by the maximum allowable surface injection pressure which will be maintained below the fracture gradient of the injection zones calculated to be 0.709 psi/ft. Utilizing this fracture gradient and an estimate from the geologic prognosis for the Stirrup State #32-6 of 6820' to the top of the proposed injection zone, the maximum surface injection pressure without exceeding the fracture gradient is calculated to be 1882 psi. The operating surface pressure will not exceed this value. Exhibit H-1 presents this calculations. After receiving logs for the proposed well, the maximum allowable surface injection pressure will be finalized with the actual geologic top of the proposed injection zone.

The annulus fluid will be composed of fresh water treated with biocide, oxygen scavenger, and scale and corrosion inhibitors. A 50' diesel freeze blanket will be placed at the top of the annular fluid. The annulus will be filled to the surface and the pressure monitored daily to detect the occurrence of any leaks in the injection tubulars. The annulus fluid will be circulated into place during the conversion process from an oil and gas producer to water injection well.

The injection fluid will consist of a combination of produced water from nearby production wells completed in the Green River Formation and/or makeup water produced from a water supply well which may be drilled in the near future into the uppermost water sands of the Green River Formation. These sands are located at a depth of approximately 3900' and are contained in a 200' interval. To date these sands have not been tested as a water source in this area. Currently the plan is to test the productivity and chemical composition of these sands while drilling the proposed Stirrup State #32-6 well in the NE/NE Section 32-T6S-R21E. A back-up well for testing is the shut-in producer SOCO Federal #29-2 in NW/SE Section 29-T6S-R21E. The chemical composition of this water is expected to be similar in composition to the produced water from the deeper hydrocarbon productive Green River Formation. Exhibits D3 - D10 provide a summary of these properties. Once the productivity of these sands is established, a water supply well may be drilled near the proposed injection well in the NE/NE Section 32-T6S-R21E. If this supply water source is determined to be volumetrically insufficient, additional make-up water may be acquired from the water bearing sands of the Uinta Formation, through either recompletions in existing wells or drilling of a new well.

ATTACHMENT K

INJECTION PROCEDURES

The injection procedures for the Horseshoe Bend Pilot waterflood are proposed as follows:

Production water from existing Green River oil and gas production wells will be trucked to a 400 Bbl. storage tank at the injection facility. From there it will be pumped along with the water from the water supply well to a treater where residual oil will be removed. The oil will be stored in a 400 Bbl. oil storage tank and trucked when necessary. The water will then be transferred to a series of three 400 Bbl. water storage tanks. These tanks will provide settling time for the particulates in the water and allow any further skimming of oil from the water. Upon leaving the storage tanks, the water will be filtered to 10 microns and chemicals will be added for oxygen, corrosion, and scaling. An injection pump will be used to pressurize the water to a maximum injection pressure of 1882 psi. The pressurized water will travel through injection lines into the well. All surface injection lines will be insulated and heat traced, and monitored daily for leaks. The heat trace lines will contain glycol or similar type anti-freeze chemical. The injection wells will be equipped with a flowmeter, check valve, and tubing and casing annulus pressure gauge.

The injection facility will be equipped with pressure monitoring and safety shut-down devices to protect against high or low discharge pressures, high or low tank levels, and mechanical problems in equipment such as low oil pressure. It will also have a tank level, oil, temperature, and other safety shut-down devices.

GEOLOGICAL DESCRIPTION FOR THE ACTUAL FORMATION AND CONFINING ZONES

ATTACHMENT G

GEOLOGIC DATA ON INJECTION AND CONFINING ZONES

The stratigraphic zone proposed for injection is the porous and permeable oil bearing sandstone interval in the Douglas Creek member of the Green River Formation. Exhibit G-1 is a Stratigraphic Column of the formations in the Uinta Basin. The Douglas Creek member is composed of porous and permeable lenticular channel and marginal lacustrine sandstone intervals interbedded with impermeable siltstones and shales. These oil productive sandstones are present throughout a 510' thick section. The SOCO State #32-6, located in SE/NE Section 32-T6S-R21E, will be a producing well in the initial proposed waterflood pattern, in which the Douglas Creek member occurs from 6820' to 7310'. The individual sandstone intervals average 10' thick with an average porosity of 10%.

The geologic formation tops within the initial flood pattern in the AOR are summarized in Exhibit G-2.

The confining zones above the proposed injection zone consist of the Upper Green River age lacustrine and fluvial, calcareous and silty shales interbedded withthin siltstone and sandstone stringers. The confining zone below the proposed injection zone consists of interbedded shales, siltstones and sandstones of Lower Green River and Wasatch age. These confining intervals are impermeable and will effectively restrict fluids from migrating vertically from the injection zones.

The fracture gradient of the sandstone intervals of the Douglas Creek member was computed from hydraulic fracture stimulation treatments performed on the oil production wells withing the AOR. The computed average fracture gradient is 0.709 psi/ft. Exhibit G-3 presents the fracture gradient calculations.

As reported in Exhibits D3-D10, the formation water analyses report a TDS content ranging from 19,000 to 39,000 mg/L within the injection zone



			Stres raphic Column of UINTA BASI	
			DUCHESNE RIVER FM.	
		<u>u</u>	UINTA FM.	EVACUATION CREEK
CENOZOIC	¥	EOCENE	PARACHUTE CRE	1 minitorniti benoti
07	Ι¥	<u></u>	GREEN RIVER FM. ✓	ARDEN GULCH MBR.
Ä,	TERTIARY			DUGLAS CREEK MBR. TELAND BUTTE MBR.
O	F	<u> </u>	COLTON FM.	
		PALEO- CENE	FLAGSTAFF FM.	WASATCH FM.
		8 8	NORTH HORN FM.	
	<u> </u>	· ~	MESAVERDE GROUP CASTLEGATE BUCK TON	MANCOS FM.
	l Oï	UPPER	MANCOS B / EMERY	NIOBRARA FM.
	CRETACEOUS		FERRON FM. / FRONTIER FM.	
	S	LOWER	DAKOTA FM.	
		Š	CEDAR MOUNTAIN FM.	- Boking in
		<u> </u>	MORRISON FM.	
20	JURASSIC		SUMMERVILLE FM.	
MESOZOIC			CURTIS FM.	
Σ			ENTRADA FM.	
			CARMEL FM.	
			NAVAJO FM. / N	UGGET FM.
			KAYENTA EM	
			WINGATE FM.	
			CHINLE FM.	
	TRIAS	elc	SHINARUMP	
	INIAS	9310		ANKAREH FM.
			MÔENKOPI FM.	THAYNES FM. WOODSIDE FM.
•			PHOSPHORIA FM.	WOODDIDE I III.
			WEBER FM.	
	PENNSY	_VANIAN	7 AAA74C10361 11	#1 (C(C) 1 1 10)
O			MORGAN FM.	
Š			ROUND VALLEY FM.	
<u>:</u> 07			DOUGHNUT FM.	
PALEOZOIC	MISSISS	IPPIAN	FINIMEINTE # AL	
<u> </u>				
Ω.			MADISON FM. / LEADVILLE FM.	

Exhibit G-2
GEOLOGIC TOPS WITHIN INITIAL INJECTION PATTERN

Well Location	State #32-1 NW NE 32-T6S-R21E	Federal #33-4-D NW NW 33-T6S-R21E	State #32-2 SE NE 32-T6S-R21E	Apcot Federal #29-3 SE SE 29-T6S-R21E
КВ	4790	4920	4858	4971
Uinta Formation	Surface	Surface	Surface	Surface
Green River Formation	3728	3901	3847	3998
Upper water sand	3855-4055	4025-4252	3850-4064	3998-4194
Douglas Creek member	6648	6725	6648	6830
K-1 zone	6732	6811	6732	6885
K-2 Zone	6817	6900	6817	6970
K-3 Zone	6940	7022	6938	7094
K-4 Zone	7062	7140	7050	7215

WATER ANALYSIS OF INJECTION WATER AND FORMATION WATER

ATTACHMENT D

NAME AND DEPTHS OF UNDERGROUND SOURCES OF DRINKING WATER (USDW)

Within the AOR, there are no known underground sources of drinking water (USDW) and no drinking water supply wells. The shallow sands above the gas productive Uintah sands have never been tested and no water flows have been encountered during drilling operations. Water analyses from the proposed waterflood zone, the Green River Formation, show the total dissolved solids concentration (TDS) well above the EPA cutoff for USDW.

Computation of water salinity from open hole electric logs was performed to determine the salinity of the porous zones above the hydrocarbon productive Green River Formation. Modern porosity and resistivity logs and Archie's equation were used to compute a formation water resistivity and thus TDS concentration. However, these log calculations can give no indication of the productivity of these sands. The conservative assumption of 100% water saturation in all shallow zones was made. Exhibit D-1 outlines this calculation and Exhibit D-2 provides the calculated values for a well in the AOR. The result of this analysis within the AOR shows the base of USDW sands with a TDS of 10,000 mg/L or less to be 3300'. This is well above the proposed Green River Formation injection zone.

Water is produced in conjunction with hydrocarbons from the porous sandstones of the Green River Formation. Attachments D3-D10 are the available laboratory water analysis reports from the producing wells within the proposed injection zone in the Green River Formation. All of the analyses of these waters indicate it is saline with TDS concentrations ranging from 19,000 to 39,000 mg/L.

Based on the above information, no USDW has been confirmed with a test within the area of review. The casing and cementing program for the existing wells and any proposed wells protect any potential USDW with a TDS of 10,000 mg/L or less.

EXHIBIT D-1

WATER SALINITY COMPUTATION

Well: State 32-1, NW/NE Section 32-T6S-R21E

LOGS:

Porosity - CNL-Lithodensity

Resistivity - DIL-SFL

ARCHIE'S EQUATION:

 $Sw^n = \underbrace{(a/\Phi^m)Rw}_{R_t}$

LOG VALUES:

Depth - 822' - 844'

Porosity - $\phi = 24\%$

Resistivity - $R_t = 40$ ohm-meters Bottomhole Temperature - $85^{\circ}F$

ASSUMPTIONS:

100% Water Saturation

a = 1

m = 2

n = 2

RESULTS:

Rw = 3.0 ohm-meters

TDS = 1600 mg/L - Schlumberger Chart Gen 9

Exhibit D-2 contains the calculation for the entire wellbore.

EXHIBIT D-2

State 32-1, NW/NE Section 32-T6S-R21E Water Salinity Computation

<u>Depth</u>	Φ	<u>R</u> ,	$\underline{R}_{\mathbf{w}}$	<u>BHT</u>	<u>TDS</u>
458-478	25	50	4.0	80	1200
574-590	21	40	2.4	82	1900
822-844	24	40	3.0	85	1600
1000-1010	22	25	1.4	87	3500
1266-1280	20	12	0.7	90	7000
1384-1400	22	15	0.85	92	6000
1864-1894	22	9	0.5	100	9000
2170-2180	15	18	0.475	102	9000
3240-3256	19	10	0.45	108	9000
3382-3388	16	12	0.375	110	11000

A Division of BJ Services

P.O. Box 217 Roosevelt, Utah 84066

Office (801) 722-5066 Fax (801) 722-5727

OMPANYSNYDER OI		ADDRESS_			~	DATE 01-15-
COTTON CT	UR #1	DATESAMPL	E n	•		
	Acalys			laffman)	ANALYSIS NO.	
PH	9.0					
H ₂ S (Qualitative)	2.5					
Specific Gravity	1.008					
Dissolved Solida			17	,005		
Suspended Solids					-	
Anserobic Becterial Count		C/MI		***********		
Methyl Orange Alkalinky (Co	ICO4)					
Bicarbonate (HCO _t)		HCO,	1.	.600	+61	26 HC
Chlorides (CI)		a		000	+35.5	264
Sulfates (SO.)		\$0,			+48	^
Caloium (Ca)		Ca		40		
Magnesium (Mg)	•	. Ma		24'	+12.2	
Total Hardness (CaCO ₃)				200	716.6	
Total Iron (Fe)				5.0		
Barium (Qualitative)			-	——————————————————————————————————————		
Phosphate Residuals						
equivalents par liter						
	PROBA	ble Miner	al compos	NOITE		
			Compound	Equity WL	X Meat	= Mañ
2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	HCO.	26	CN(HCOT	81.54	2	162
		1	Ca6O ₄	68.07		
2 Mg	so.	0	CaCL	\$5.90		
No. 4			Manicou	73. 17		116
276	$\rightarrow \alpha$	ta l	Valle.			146
Seturation Values	Distilled Water 201		ugot 4gCk	50.19		
Cecos	13 Mg/l		•	47.82		
CaSO. · SH _C O	2,090 MgA	•	MHCO,	84.00	22	1.848
MgCOs	103 Mg/4		taiso.	71.02		
RESISTIVITY	= .52 OHMS/	,	leCi	88.46	254	14,849

89-0736

P.03

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SNYDER OIL		DRES\$		····		DATE	01-15-9
DURCE FED 33-4-D	DAT	TE SAMPLI	ED		ANALYSIS NO		
	Analysia		M	d(pom)		Megd	
PH	9.4						
H _z S (Qualitative)	3.5						
Specific Gravity	1.013				•		
Dissolved Solids			30.7	42_			
Suspended Solids							
Anaerobic Bacterial Count		C/Mi					
Methyl Orange Alkalinity (C	■CO₃)						
Bicarbonate (HCO ₂)		HCO,	1,4	00		23	НС
Chlorides (CI)		Ċ	17,5	00	+35.5_	493	
Sulfates (SO ₄)	,	\$O ₄		0	+44	0	
Calcium (Ca)		Ca		88	420	0	s
Magnesium (Mg)		Mg		14	+12.0	. 1	
Total Hardness (CeCO _t)		•		80			······································
Total Iron (Fe)			1	.6			
Barium (Qualitative)							
Phosphate Residuels							
ii equivalents per liter	6545150						
	PHOBABLE	MINER	AL COMPOS	NOITE			
	<u> </u>		Compound	Equir. Wt.	X Meg/	#	Non-
G 4	— ном 23	- 1	Ca(HCO _t) ₂	\$1.04			
	-	_	C=\$0 ₄	68. 07		_	
Mg	→ so. 0		CeCk	55.50			
15 Na 4	→ a		Mg(HCO _t) _t	73.17	1		l.
43	493		MgSO.	90.19		•	
Saturation Values	Distilled Water 20°C	9	MgCL	47.62			
CeCO ₈	13 Mg/l		NaHCO _z	84.00	22	1 :	848
CaSO4 · 2H ₆ O	2,090 Mg/l	1	Na.SO.	71.03			Z-T-O
MgCO ₂	10 3 Mg/ 1		NACI	54.46	493	<u> </u>	
APIS_RESISTIVITY	40 OHMS/ME	TER @	70° F			_ 48	821

ALTA ENERGY CORPORATION VERNAL, UTAH 84078

WATER ANALYSIS REPORT

FIELD: WELL: COTTON CLUB # 1 U-31736 504' FNL 502' FEL SEC. 31 5-6-8, R-21-E COUNTY: UINTAH STATE: UTAH SAMPLE DATE: 1/5/87 DATE REPORTED: 1/7/87

CHEMICAL ANALYSIS

CHEMICAL COMPONENT

CHLORIDE (C1) 8,000

TOTAL HARDNESS (CaC0) 200

CALCIUM (Ca) 20

MAGNESIUM (Mg) 36.45

SULFATE (S0) 225

PH 9.0

TOTAL DISSOLVED SOLIDS 23,000

ANALYSIS BY: A J ROSE LAB TECHNICIAN

ALTA ENERGY CORPORATION VERNAL, UTAH 84078

WATER ANALYSIS REPORT

FIELD: HORSESHOE BEND

WELL: 32-1-J

API # 43-047-31646 2180' FSL 1954' FEL SEC. 32 T-6-S, R-21-E COUNTY: UINTAH STATE: UTAH

SAMPLE DATE: 1/5/87 DATE REPORTED: 1/7/87

CHEMICAL ANALYSIS

CHEMICAL COMPONENT

CHLORIDE (C1) 14,000

TOTAL HARDNESS (CaCO) 100

CALCIUM (Ca) 0

MAGNESIUM (Mg) 24.3

SULFATE (SO) 25

pH 9.2

TOTAL DISSOLVED SOLIDS 28,000

ANALYSIS BY: A J ROSE LAB TECHNICIAN

ALTA ENERGY CORPORATION VERNAL, UTAH 84078

WATER ANALYSIS REPORT

FIELD: WELL: FEDERAL 33-4-D U-28212 778' FWL 533' FNL SEC. 33 T-6-X, R-21 - E COUNTY: UINTAH STATE: UTAH SAMPLE DATE: 1/5/87 DATE REPORTED: 1/7/87

CHEMICAL ANALYSIS

CHEMICAL COMPONENT

CHLORIDE (C1)	14,000
TOTAL HARDNESS (CaCO_)	300
CALCIUM (Ca)	12
MAGNESIUM (Mg)	65.61
SULFATE (SO)	. O
pH 4	8.5
TOTAL DISSOLVED SOLIOS	39,000

ANALYSIS BY: A J ROSE LAB TECHNICIAN



P.O. Box 217 Roosevelt, Utah 84066 Office (801) 722-5066 Fax (801) 722-5727

NATER ANALYSIS REPORT

MARATHON OIL COMPANY

MARATHON OI	L COMPANY	ADDRESS		DATE	:	
32-1		DATE SAMPLED	9-18-92	_ ANALYSIS NO	•	
Analysi			Mg/I (ppm)		*Meq/l	
PH	9.0					
H₂S (Qualitative) —	12					
Specific Gravity	1.007					
Dissolved Solids		<u> </u>	21,346			
Suspended Solids				 .		
Anaerobic Bacterial Count	CI	C/MI				
Methyl Orange Alkalinity (
Methyl Orange Alkalinity (Bicarbonate (HCO ₃)		HCO3	1,750	÷61	29	нсс
Chlorides (CI)		CI	11,500	÷35.5	324	
Sulfates (SO ₄)		SO4	0	÷48	00	s
Calcium (Ca)		Ca	32	÷20	2	
Magnesium (Mg)		Mg	14	÷12.2	1	N
Total Hardness (CaCO ₃)			140			
			. 9			
Total Iron (Fe) , Barium (Qualitative)						
Phosphate Residuals			1			
IIII equivalents per liter						
ma equiraments per mes	PROB/	ABLE MINERAL C	-			Mg/I
		Comp Ca (H		X Meq/I 2	<u> </u>	162
2 Ca	—— нсо,	29 Ca so	•	<u></u>		
		CaCi				<u>.</u>
1 Mg	so.	0	ICO ₃) ₂ 73.17	11		73
		Mg Sc	•			
350 Na	CI	324 MgC				
	Distilled Water 20°			0.6		2184
Saturation Values		Na: S				•
Ca CO ₃	13 Mg/l	Na C	_	324		18941
Ca SO4 • 2H2O	2,090 Mg/l	Ha C				
M= CO	103 Mg/l					
Mg CO3		Exhibit D)_8			





P.O. Box 217 Roosevelt, Utah 84066 Office (801) 722-5066 Fax (801) 722-5727

WATER ANALYSIS REPORT

OMPAN	IY	M	ARATHON	OIL CO	MPAN	Y	_ ADDRESS	i		•	DATE:_		
OURCE	!	3	2-2				_ DATE SAM	PLED_9-	18-92	AN/	ALYSIS NO		
			Analy	sis					Mg/i (ppm)			*Meq/I	
. PH					9.	0							
	: (Qua	alitativ	e)		6.	0							
-	•	Gravit	-		1.	012							
•		d Solie	-				_	1	9,864				
		ed So					_						
	-		terial Cour	nt	CI		C/MI						
-			Aikalinity				_						
	-	ate (H		•.			HCO ₃ .		1,800	÷	61		HCO
	loride	-	•				CI.	1	0,500	÷	35.5		0
	fates	•					SO ₄ .		50	÷	48	1	so
	lcium	-					Ca_			÷	20	4	C
		um (N	ia)				Mg.		5	÷	12.2	0	M
	_		s (CaCO ₃)				-		220				
		n (Fe)	•				_		.3				
			tative)								-		
		-	iduals				٠.		0 .		-		
Milli equiv	-				DD.	ORAR	LE MINER	NI COMPI	RITION				
					-	UDAD		Compound	Equiv. Wi	. x	Neq/I		Mg/i
	,						— , ʻ	Ca (HCO ₃)2	81.04	_	4	3	24
2	4	Ca	4		HCO:	}	30	Ca SO4	68.07				
	,			-			1 (Ca Cl ₂	55.50				
		Mg			SO4			Mg (HCO ₃) ₂	73.17				
323	3		-				296	Mg SO4	60.19				
		Na			CI	L		Mg Cl ₂	47.62		26		.84
	Satur	ation V	nlues	Distille	d Water	20°C	1	Na HCO:	84.00		1		71
	CaCC	Os .		13 M	g/l		1	Na ₂ SO ₄	71.03	·	296	173	
	CaSC	04 • 2H₂	0	2,090 M	g/l		I	Na CI	58.46		230		
	Mg C	O ₃		103 M	g/l								
REMARI	KS						Exhibi	t D-9					



DISTRICT LABORATORY BOX 339, VERNAL, UTAH 84078



LABORATORY REPORT

Mike Janeczko	Date 2/26/86
Fina Oil & Chemical 1625 Broadway, Ste. 1600	This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of
Denver, CO 80202	laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.
We give below results of our examination of water	
Submitted by received 2/26/86	
Mad at me 27 17 #20 2	

Note: There was a strong odor of sulfur present in water.

cc: C. C. Morey

"n. J. Lube

R. C. Jacquier

File

Respectfully submitted,

HALLIBURTON SERVICES

By Kodo Curtice /an

R. L. Curtice

FRACTURE GRADIENT

EXHIBIT G-3 FRACTURE GRADIENT DETERMINATIONS

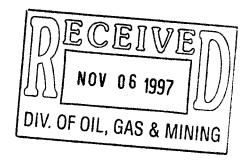
Well		Stirrup State #32-2	Federal #29-3	Federal #29-3 *	Federal #33-6-F	Federal #33-6-F
Zone		Green River	Green River	Green River	Green River	Green River
Perforation Interval		6927-7196	7235-7295	7001-7136	7151-7186	6938-7078
Depth, ft	đ	6927	7235	7001	7151	6938
Initial Shut-in Pressure, psi	ISIP	1900	1400	5000	1480	2050
Fracture Pad Fluid Gradient, psi/ft	γ	0.438	0.438	0.438	0.438	0.438
Bottomhole Pressure at Perfs, psi	BHP = ISIP + γd	4934	4569	8066	4612	5089
Fracture Gradient, psi/ft	G _f ≠ BHP/d	0.712	0.632	1.152	0.645	0.733

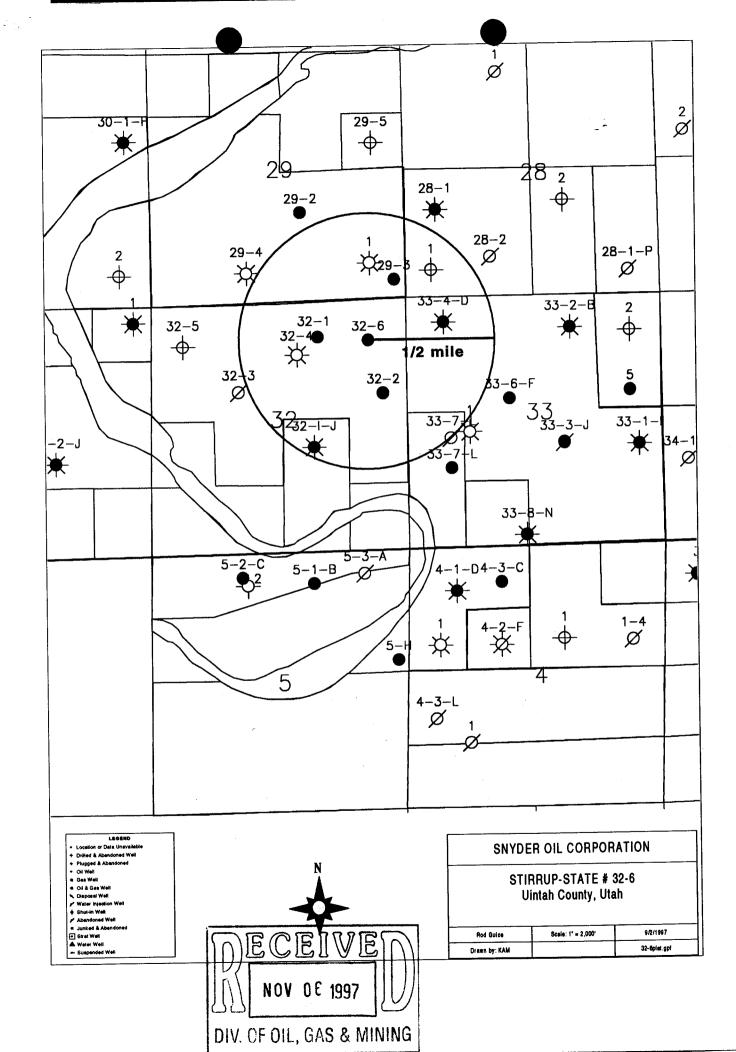
Well		Federal #33-7-L	Federal #33-4-D	Cotton Club #1	Cotton Club #1	Cotton Club #1
Zone		Green River	Green River	Green River	Green River	Green River
Perforation Interval		6852-7025	6963-7122	6983-7067	6890-6966	6804-6870
Depth, ft	đ	6852	6963	6983	6890	6804
Initial Shut-in Pressure, psi	ISIP	2200	1780	2010	2000	2160
Fracture Pad Fluid Gradient, psi/ft	γ	0.438	0.438	0.438	0.438	0.438
Bottomhole Pressure at Perfs, psi	BHP = ISIP + yd	5201	4830	5069	5018	5140
Fracture Gradient, psi/ft	G _f = BHP/d	0.759	0.694	0.726	0.728	0.755

Average Fracture Gradient, psi/R 0.708

^{*} Ignored in computed average due to abnormal ISIP

MAP OF THE PROPOSED WELL WITH ½ MILE RADIUS AROUND WELL





BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH

---00000---

IN THE MATTER OF THE

NOTICE OF AGENCY

APPLICATION OF SNYDER

ACTION

OIL CORPORATION FOR

ADMINISTRATIVE APPROVAL OF

CAUSE NO. UIC-199

THE STIRRUP STATE 32-6 WELL LOCATED IN SECTION 32.

TOWNSHIP 6 SOUTH, RANGE 21

EAST, S.L.M., UINTAH COUNTY,

UTAH, AS A CLASS II INJECTION

WELL

---00000---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Snyder Oil Corporation for administrative approval of the Stirrup State 32-6 well, located in Section 32, Township 6 South, Range 21 East, S.L.M., Uintah County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 6820 feet to 7153 feet (Green River Formation) will be selectively perforated for water injection. The maximum injection pressure will be limited to 1882 psig.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 18th day of November 1997.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

ю́hn R. Baza

√Associate Director

Michael O. Leavitt Governor Ted Stewart Executive Director James W. Carter Division Director 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax) 801-538-7223 (TDD)

November 18, 1997

Vernal Express P.O. Box 1000 54 North Vernal Avenue Vernal, Utah 84078-1000

Re: Notice of Agency Action - Cause No. UIC-199

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Larraine Platt

Lawaine Platt

Secretary

Enclosure

Michael O. Leavitt Governor Ted Stewart Executive Director James W. Carter

1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax) Division Director 801-538-7223 (TDD)

November 18, 1997

Newspaper Agency Corporation Legal Advertising PO Box 45838 Salt Lake City, Utah 84145

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Sincerely,

Larraine Platt Secretary

Larraine Plate

Enclosure

Snyder Oil Corporation Stirrup State 32-6 Well Cause No. UIC-199

Publication Notices were sent to the following:

Snyder Oil Corporation 1625 Broadway, Suite 2200 Denver, Colorado 80202

Newspaper Agency Corporation Legal Advertising PO Box 45838 Salt Lake City, Utah 84145

Vernal Express P.O. Box 1000 54 North Vernal Avenue Vernal, Utah 84078

Vernal District Office Bureau of Land Management 170 South 500 East Vernal, Utah 84078

U.S. Environmental Protection Agency Region VIII Attn. Dan Jackson 999 18th Street Denver, Colorado 80202-2466

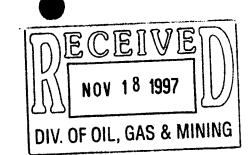
Larraine Platt

Secretary

November 18, 1997

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR ADDRESS	Snyder Oil Corporation 1625 Broadway, Suite 2200	
VODICESS	Denver, CO 80202	
	(202) 502 9500	



(303) 592-65.00
Well name and number:Stirrup State 32-6
Field or Unit name: <u>Horseshoe Bend Pilot Waterflood</u> Lease no
Well location: QQ <u>NENEsection 32</u> township <u>6s</u> range <u>21E</u> county <u>Uintah</u>
Is this application for expansion of an existing project? Yes [] No &X
Will the proposed well be used for: Enhanced Recovery? Yes KX No [] Disposal? Yes [] No [] Storage? Yes [] No []
Is this application for a new well to be drilled? Yes [] No KX
If this application is for an existing well, has a casing test been performed on the well? Yes [] No kk Date of test: API number:
Proposed injection interval: from 6899' to 7153' Proposed maximum injection: rate 300 BBL/Day pressure 1882 (psig Proposed injection zone contains XXXvii, XX gas, and/or [] fresh water within X mile of the well.
IMPORTANT: Additional information as required by R6 49-5-2 should accompany this form.
List of Attachments:
I certify that this report is true and complete to the book of my knowledge.
Name Rod Guice Title Operations Engineer Phone No. (303) 592-4626 Signature WAKU Date 11/17/97
(State use only) Application approved by Title Approval Date

Comments:

143 SOUTH MAIN ST. P.O.BOX 45838 SALT LAKE CITY, UTAH 84145 FED.TAX I.D.# 87-0217663 CUSTOMER'S COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL GAS & MAINING	D5385340L-07	11/24/97
1594 WEST NORTH TEMPLE, SUITE 1210, BX 145801		
SALT LAKE CITY, UT 84114		

	SALT LAKE CITY, UT 841	14		
	ACCOU	NT NAME		
	DIV OF OIL O	SAS & MAINING INVOICE N	JMBER	
	801-538-5340	TLBK82		
	SCHE	DULE		
	START 11/24/97 CUST. I	END 11/24/97 REF. NO.		
	UIC-19	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
OTICE OF AGENCY ACTION CAUSE NO. UIC-199 BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH	NOTICE OF AGEN	PTION ICY ACTIONCAUSE N IZE		
THE MATTER OF THE APPLICA- NN OF SNYDER OIL CORPORA- NN FOR ADMINISTRATIVE AND FOR ADMINISTRATIVE AND THE STIRRUP STATE 6 WELL LOCATED IN SECTION TOWNSHIP 6 SOUTH, RANCE EAST, S.L.M., UINTAH COUNTY, AH, AS A CLASS II INJECTION ELL	69 LINES	1.00 COLUMN RATE		<i>*</i>
ESTATE OF UTAH TO ALL PER INS INTERESTED IN THE ABOVE ITITLED MATTER.	1 MISC. CHARGES	1.64 AD CHAR	GPS	
Notice is hereby given that a Division of Oil, Gas and Ming (the "Division") is commence an informal adjudicative occeding to consider the ap	.00	113.16 TOTAL (5	₂₈ 7
ication of Snyder Oil Corpora n for administrative approva the Stimup State 32-6 well, or and in Section 32. Township or the in Section 32. Township or the in Section 32. Township or a Class It injection well. The occeding will be conducted accordance with Utah Addin. R.649-10. Administrative occultures.		113.10		281
accordance with Utah Adin. R.649-10, Administrative ocedures. The interval from 6820 feet to 153 feet (Green River Forman) will be selectively perford for water injektion. The may	AFFIDAV VSPAPER AGENCY CORPORATION TISEMENT OF NOTICE OF DF OIL GAS & MAINING	VIT OF PUBLICATI ON LEGAL BOOKKEEPER AGENCY ACTIONCA		THE ATTACHED FOR
Any person desiring to object	F OIL GAS & MAINING ATION, AGENT FOR THE SAID IN THE ENGLISH LANGUAGE TEAKE CITY, SALT LAKE CO	T LAKE TRIBUNE AND	DESERET NEWS, DA	ILY NEWSPAPERS
ich a protest or notice of inte ention is received, a hearin ill be scheduled before in oard of Oil, Gas and Minin- rotestants and/or interveno hould be prepared to demoi trate at the hearing how the natter affects their interests.	HED ON START 1		11/24/97	

8015

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH		ICY ACTIONCAUSE N	
THE MATTER OF THE APPLICA- N OF SNYDER OIL CORPORA- N FOR ADMINISTRATIVE AP-		ZE	
OVAL OF THE STIRRUP STATE! 6 WELL LOCATED IN SECTION, TOWNSHIP 6 SOUTH, RANGE EAST, S.L.M., UINTAH COUNTY, AH, AS A CLASS II INJECTION	69 LINES	1.00 COLUMN RATE	**
E STATE OF UTAH TO ALL PER- INS INTERESTED IN THE ABOVE	1 MISC, CHARGES	1.64 AD CHARGES	
Notice is hereby given that a Division of Oil, Gas and Ming (the "Division") is commency an informal adjudicative ocealing to consider the op-		113.16	
oceeding to consider the ap- ication of snyder (01 Corpora- n for administrative approval the Stirrup State 32-6 well, ap- red in Section 32, Township 6- buth, Range 21 East, S.L.M., Ulra- th County, Utath, for conversion a Class II injection well. The oceeding will be conducted accordance with Utah Ad- in. R.649-40, Administrative ocedures.	AFFIDAV	113.16 TIT OF PUBLICATION	28°
, , ,	PISEMENT OF NOTICE OF	N LEGAL BOOKKEEPER, I CERTIFY THA AGENCY ACTIONCAUSE N WAS PUBLISHED BY THE NE	FOR
tevene in the proceeding, ust file a written protest or no- e of intervention with the Divi- on within fifteen days follow- ig publication of this notice. If ich a protest or notice of inter- ention is received, a hearing fill be scheduled before the card of Oil, Gas and Mining, rotestants and/or intervenors nould be prepared to demon- trate at the hearing how this natter affects their interests.	ATION, AGENT FOR THE SAL D IN THE ENGLISH LANGUAG T LAKE CITY, SALT LAKE C SHED ONSTART 1	T LAKE TRIBUNE AND DESERET NEWS,D. E WITH GENERAL CIRCULATION IN UTACOUNTY IN THE STATE OF UTAH.	AILY NEWSPAPER
DATED this 18th day of No- ember, 1997.	11/24/07		The Chieff Suit

TATE OF UTAH NV. OF OIL, GAS AND MINING s/ John R. Baza ssociate Director ik820030

11/24/97

STATEMENT BUT A "PROOF OF PUBLICATION" THIS IS NOT A PLEASE PAY FROM BILLING STATEMENT.

NOTICE OF AGENCY
ACTION
CAUSE NO. UIC-199
BEFORE THE
DIVISION OF OIL,
GAS AND MINING
DEPARTMENT OF
NATURAL
RESOURCES STATE

OF UTAH
IN THE MATTER OF
THE APPLICATION OF
SNYDER OIL CORPORATION FOR ADMINISTRATIVE APPROVAL OF THE STIRRUP STATE 32-6 WELL
LOCATED IN SECTION
32, TOWNSHIP
SOUTH, RANGE 21

EAST, S.L.M., UINTAH November 1997.
COUNTY, UTAH, AS A CLASS II INJECTION DIVISION OF GAS & MINING

THE STATE OF UTAH
TO ALL PERSONS IN-TERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Snyder Oil Corporation for administrative approval of the Stirrup State 32-6 well, located in Section 32, Township 6 South, Range 21, East, S.L.M., Uintah County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10. Administrative Proce-

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Doted this 18th day of November 1997. STATE OF UTAH DIVISION OF OIL, GAS & MINING JOHN R. BAZA, Associate Director Published in the Vernal Express Nov. 26, 1997.

PROOF OF PUBLICATION

STATE OF UTAH,

SS.

County of Uintah

I, SHEILA S. WHEELER,

being duly sworn, depose and say, that I am the Business Manager of The Vernal Express, a weekly newspaper of general circulation, published each week at Vernal, Utah, that the notice attached hereto was published in said newspaper

for 1 publications,

the first publication having been made on

the 26th day of November, 1997 and the

last on the 26th day of November, 1997,

that

said notice was published in the regular and entire issue of every number of the paper during the period and times of publication, and the same was published in the newspaper proper and not in a supplement.

Manager

Subscribed and sworn to before me, this 26th day of November A.D. 1997.

THE PARTY SERVICES

otary Public, Residence, Vernal, Utah

JACE R WALLIS Note y Fublic State of Utah Comm. Expires Jun 18, 1

My Comm. Expires Jur. 18, 2001 P.C. Bor. 1000 Vernal Ut. 84078

•													
FORM 8		D.1. (10)	STA	TE OF UTAH FOIL, GAS A	ND MININ	G				5	5. LE/	ASE DESIGNA	ATION AND SERIAL NO.
		DIVISI	ON O	F OIL, GAS A	IND MINING	•						IL-22036	TTEC OF TRIPE NAME
							ND 1 00			6	i, IF N	NDIAN, ALL	OTTEE OR TRIBE NAME
	WELL (OMPLETION	OR F	GAS GAS	ON REPO	KIA	IND LOG						THE STANKE
Ia. TYPE OF WORK		WELL (X	WELL	DI DI	lY 🗌	Other			7	I. UNI	IT AGREEME	NT NAME
1b. TYPE OF WELL		DEEP-		PLUG	DIE	F.							
NEW X	work over	EN (BACK		'R. 🔃	Other			°	i, FAI	RM OR LEAS	E NAME
2. NAME OF OPERATOR	Sn	yder Oil Corpo	ration									ELL NO TIRRUP S I	TATE 32-6
3. ADDRESS OF OPERATOR					oloredo 80	202				ŀ			OL OR WILDCAT
4. LOCATION OF WELL	162	25 Broadway S	cordence v	eith any State requirements)						11 51	ORSESHO	OR BLK. AND SURVEY
At surface											OR	AREA	
850' FNL & 800' FI At top prod. interval reported		. 32, 105-R21E									N S	iene, sec. ,i.,b & m s	32, T6S-R21E URVEY
SAME												OUNTY	13. STATE
At total depth				14. API NO. 43-047-32784	-		DATE ISSUED 10/10/96					INTAL	UTAH
SAME 15. DATE SPUDDED 16.	DATE T.D. I	REACHED	17.	DATE COMPL.	(Reach to proct.)		18 ELEVATIO	NS (DF, RKB, RT,	GR, 1:1	C.)			19. ELEV. CASINGHEAD GL=4813
11/16/97	т	12/01/96 21. PLUG BACK T.E)., MD &				E COMPL.,	7, KB=4828		ROTAR	Y 100	OLS	CABLE TOOLS
20. TOTAL DEPTH, MD & TVD		II. I DOG BROW I.E	,	7224'	HOW	MANY	•	DRILLED BY			^	LL_	NONE
7287' 24. PRODUCING INTERVAL(S), OF	THIS COMP	LETION-TOP, BOT	rom, NA)				•				25. WAS DIRECTIONAL SURVEY MADE
GREEN RIVER FORMATION													
MOUCH AS CREEK MEMBE	R) BOT	TOM=7235' 💪	RAI	YENT TE	mpera	742	WAS WELL C	UEV CB	Yes [X NO	\Box	(Submit analys	No ds)
26. TYPE ELECTRIC AND OTHER AZIMUTHAL LATEROLOG.					AICRO LOG	;	DRILL STEM	TEST	Yes	NO	\perp	(See reverse si	de) 6897'-6953
28.	COMPEN			DEPTH SE	CADIITO	REC	ORD (Report a	all strings set in v	well) CEME	NTING RE	CORI	D	AMOUNT PULLED
CASING SIZE		WEIGHT, LB./FT.		618			12 1/4	CEMENTED	TO SU	RFACE	; 400	SX OF	
8 5/8"		24 00						CLASS G CE					NONE
5 1/2"		15.5 LB		7267	1		7 7/8	500 SX 50/50 I					NONE
			LINER	RECORD		_		30.	, -		TUBI	NG RECORD	PACKER SET (MD)
SIZE	TOP	(MD)		TTOM (MD)	SACKS CEM	ENT.	SCREEN (MD	2 7/8	7170	DEPTH S	ET (N	MD)	NONE NONE
			 		 -		+						
31. PERFORATION RECORD	On	terval, size and number	<u>,</u>				32.	ACID, SHOT, FE	RACTUR	AMOUN	NT SO	VEEZE, ETC	ATERIAL USED
31. PERFORATION RECORD	71	34-53(77 PERF), 1	7098-10	4(25 PERF), 707	8-84(25 PER - ##(21 PERF	F)	7078'-7			C'D 2209	92 GA	L, 43560 L	BS 20/40 SD
	70	00-17(69 PERF), ' 99-6902(13 PERF	7026-30 V 6018	(}	-55(21 TER) 961-66(21 PE	RF)	7000'-70		FRA	C'D 1684	12 G/	AL, 46170 L	BS 20/40 SD
	68 (A	LL 0.5" EHD) 7), 6216 042-45(13 PERF)	·		6899'-6	966'	FRA	C'D 1713	16 GA	AL, 46350 L	BS 20/40 SD
	,,,					- D	RODUCTION						
DATE FIRST PRODUCTION		PRODUCTION MET	HOD		(Flowing, ga		mping-size and				- 1	WELL STATE PRODUCE) (Producing or shut-in)
14-Jun-97			ING-S	UCKER ROD P	PROD FOR		OIL-BBLS.	GASMCF.		T		TERBBL	GAS-OIL RATIO
DATE OF TEST	HC	OURS TESTED	CI	OKE SIZE	TEST PERIC		OID-ODDS:						
23-Jun-97		24		NONE	OILBI		GAS	MCF.	WA	TERBB	ī. T	OIL GRAVIT	Y-API (CORR.)
FLOW. TUBING PRESS.	C.A	ASING PRESSURE	C/ 24	ALCULATED -HOUR RATE	OILBI					35	ļ	3	2
					L	17		10			1	T WITNESSE	DBY
34. DISPOSITION OF GAS	(8)	old, used for fuel, vent	ed, etc.)									WILLIAM	NYLAND
USED FOR FUEL 35. LIST OF ATTACHMENTS													
OPEN HOLE LOGS, CEME 36. I hereby certify that the for	NT BOND	LOG attached informati	on is co	mplete and correc	t as determin	ed from	m all available	records	low	ا_		DAT	E 12/03/97
	Jemus		200	16 min	Т	ITLE -	_ San	ت بم				• •	
				See Spaces fo	or Additional	Data o	on Reverse Sta	200	م او	711 6	37	同厅	
(3/89)				-					يا ك	<u> </u>	<u> </u>	9	
								K/			00=	.	
								\\ DE	ECI	0319	1 9/	' III	// <u>`</u>
							[5	77/				_ا _	
							l r	DIV. OF C)	GAS	&	MININ	G
							1 2		,				5

						DUCTION - IN	TERVAL	CAS	PRODUCTION VETHOD
DATE FIRST PRODUCED	14		PRODUCTION	U	GAS MCF	BBL		DISPOSITION	
		CASING PRESSURE		OIL BBL	GAS MCF		GAS: OIL RATIO	ZONE STATUS: (F	RODUCING, SHUT-IN, PLUGGED, ETC)
			>			DUCTION - IN	TÉRVAL D		PRODUCTION METHOD
DATE FIRST PRODUCED	1201		TEST PRODUCTION	OIL BBL	GAS MCF	BBL	CORR. API	DISPOSITION	
CHOKE	FLOW TUBING	1	- 1 1 1	OIL BBL	GAS MCF		GAS:OIL RATIO	ZONE STATUS (RODUCING, SHUT-IN, PLUGGED, ETC.)
SIZE	PRESSURE		>				SACHETE WITH	DRODUCTION FL	IND SEPARATION.

30. PLEASE ATTACH AN 8.5" X 11" BASIC SKETCH SHOWING ALL SURFACE EQUIPMENT ASSOCIATED WITH PRODUCTION, FLUID SEPARATION, FLUID STORAGE, AND GAS MEASUREMENT FOR THE WELL. SHOW APPROXIMATE DISTANCES OF EQUIPMENT FROM WELLBORE. INCLUDE WATER DISPOSAL PITS IF APPLICABLE. OUTLINE UNDERGROUND FLOWLINES AND LIST ANY OTHER WELLS SHARING THE SURFACE EQUIPMENT.

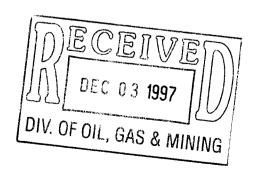
31. SUMMARY OF POROUS ZONES (INCLUDE AQUIFERS):
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF CORED INTERVALS
AND ALL DRILL/STEM TESTS, INCLUDING DEPTH INTERVAL TEST, CUSHION USED, TIME
TOOL OPEN, FLOWING AND SHUT-IN PRESSURES AND RECOVERIES

32. FORMATION (LOG) MARKERS

		RESSURES AND RE	DESCRIPTIONS, CONTENTS, ETC.	NAME	MEAS.DEPTH
FORMATION	TOP	BOTTOM			
K-1	6740	6832	ALTERNATING SAND-SHALE SEQUENCES	UINTA	SURFACE
K-2	6832	6945	ALTERNATING SAND-SHALE SEQUENCES (CORED THIS INTERVL	GREEN RIVER	3660
K-3	6945	7069	FROM 6897-6953) ALTERNATING SAND-SHALE SEQUENCES	DOUGLAS CREEK	6655
к-3	6945	7069	ALTERNATING SAND-SHALE SEQUENCES	K-1	6740
К-4	7069	7251	ALTERNATING SAND-SHALE	K-2	6832
			SEQUENCES	K-3	6945
				K-4	7069
				WASATCH	7251

33. ADDITIONAL REMARKS (INCLUDE PLUGGING PROCEDURE & ATTACH CEMENT VERIFICATION):

34. CIRCLE ENCLOSED ATT	ACHMENTS: 3. WELLBORE SKETCH (See #27) 6. SUNDRY NOTICE FOR PLUGGING & CEMENT VERIFICATION TO THE ANALYSIS	
	3. WELLBORE SKETCH (1882) 4. DIST REPORT CORE ANALYSIS	
MECHANICAL LOGS (Iffull set) EEOLOGIC REPORT	5. DIRECTIONAL BOX.	
35. I hereby certify that the foregoing and attac	sched information is complete and correct as determined from all available records	
	e TITLE Seniar Clerk DATE 12-3-97	
PRINT: Lucy Weme		





To: Kristen Ricbeck

From: Lucy Fax#: 801-359-3940

Subject: Completion Report

Date: 12-3-97

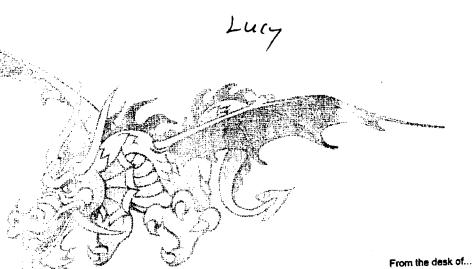
Pages: 3, including this cover sheet.

COMMENTS:

The state of the s

Logs will be sent as soon as I get additional Copies from Schlumberger.

Thanks



Lucy Nemec Senior Clerk SNYDER OIL CORPORATION

P. O. Box 695 Vernal, Utah 84078

801-789-0323 Fax: 801-789-0736

18. I hereby certify that the foregoing is true at

Guice

SIGNED

STATE OF UTAH

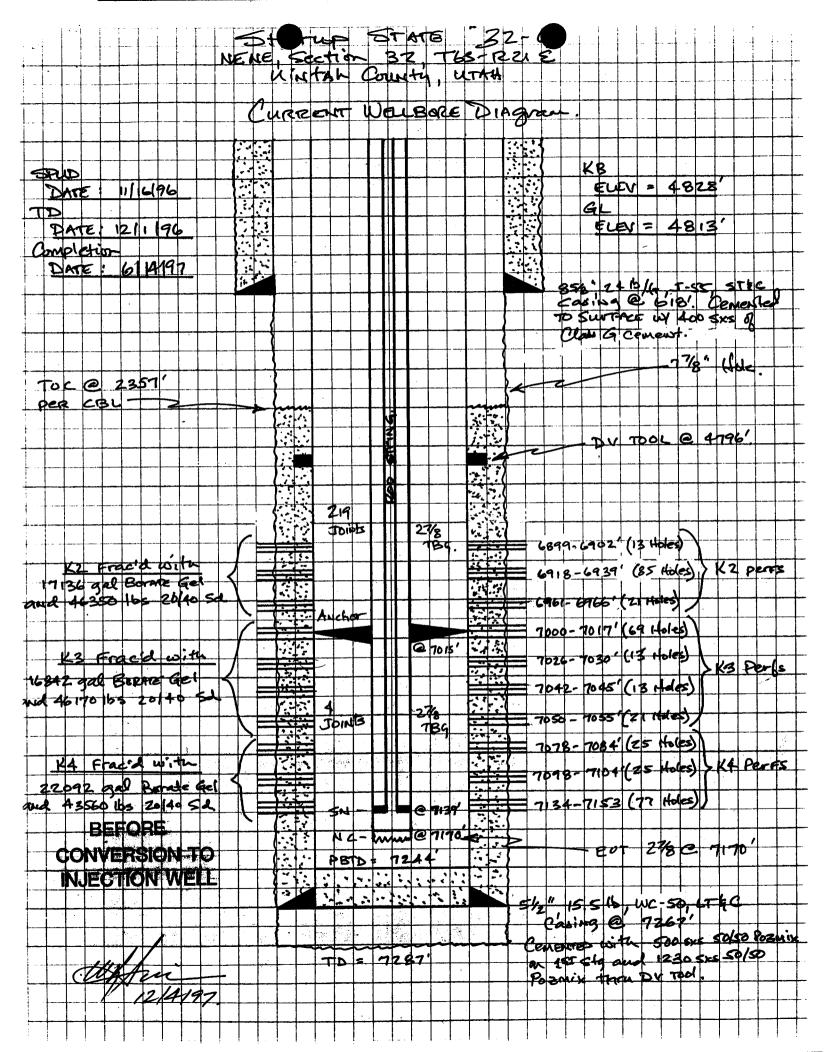
DEPARTMENT OF NATURAL RESOURCES

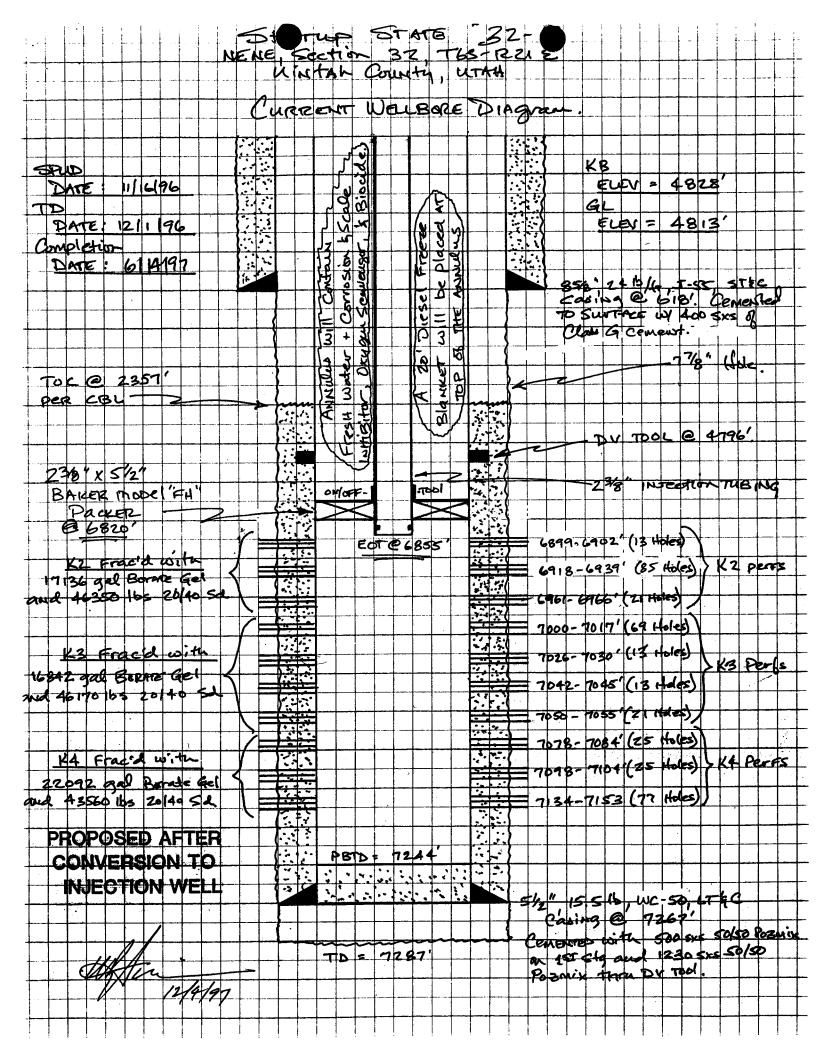
DIVISION	N OF OIL, GAS, AND MINING	5. LEASE DESIGNATION AND SERIAL NO. ML-22036				
1. SUNDRY NOT	TICES AND REPORTS OF	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBAL NAME			
	als to drill or to deepen or plug bacjk to a differen ATION FOR PERMIT" for such proposals.)	N/A				
Use APPLICA	AHORFOR PERMIT - Tol such proposate)	7. UNIT AGREEMENT NAME				
OIL GAS WELL	OTHER		N/A			
2. NAME OF OPERATOR			8. FARM OR LEASE NAME Stirrup State			
SNYDER OIL CORPORATION			o WELL NO.			
3. ADDRESS OF OPERATOR 1625 Broadway, Suite 2200, Deny	er, Colorado 80202 (303) 592-8500	RIVIES	32-6			
	111)18		10. FIELD AND POOL, OR WILDCAT			
4. LOCATION OF WELL (Report location See also space 17 below.)	clearly and in accordance with any State regainer	; []	Horseshoe Bend			
At surface	$ J(t)\rangle$	DEC 08 1997	W/I			
850' FNL and 800' FEL, N	ENE		SEC., T., R., M., OR BLK. AND SURVEY OR AREA			
650 PALL and 600 TEE; 1.	DIV.	OF OIL, GAS & MINI	NGSection 32, T6S- R21E S.L.B. & M. Survey			
14. API NUMBER	15. ELEVATIONS (Show whether DF, RT, C	GR, etc.)	12. COUNTY OR PARISH	13. STATE		
43_047_327 8 4	DF = 4827', KB = 4828', GL =	4813'	Uintah	Utah		
16. Check Ap	ppropriate Box To Inidcate Nature of No	tice, Report, or Other Data	JENT REPORT OF:			
NOTICE OF INTENT		WATER SHUT-OFF	REPAIRING WELL	\Box		
120	JLL OR ALTER CASING	FRACTURE TREATMENT	ALTERING CASING	\exists		
rictoria new	ULTIPLE COMPLETE	SHOOTING OR ACIDIZING	ABANDONMENT*			
Shoot outries	BANDON*	(OTHER)	لسبيا			
Tel Title 11 Date	Convert to a water injector.	`	s of multiple completion on Well	· · · · · ·		
(4		Completion or Reco	ompletion Report and Log form.)			
 DESCRIBE PROPOSED OR COMPLE proposed work. If well is directionally 	TED OPERATIONS. (Clearly state all pertinent of y drilled, give subsurface locations and measured	and true vertical depths for all markers	and zones pertinent to this work.)*			
Snuder Oil Cornoration proposes t	to convert the subject well from an oil prod	ucer to a water injection well, as p	oart of the Horseshoe Bend Pilot Waterf	lood, and requests		
anditional approval to proceed w	ith the wellwork specified below, when the	approval of the State of Utah Div	vision of Oil, Gas, and Mining Oil Dep	artifient is received.		
The first EDA normit for the Hors	eshoe Rend Pilot Waterflood and the conve	ersion of the subject well to an inj	ector (EPA Permit # U12809-04343) w	as received on		
4/19/07 Chulder unless otherwise	directed in the State UIC requirements, wi	ill provide at least 48 hour notice t	to the State Division of Oil, Gas, and M	ining, and the vernal		
District office of the BLM before	commencing wellwork. Furthermore, Snyo	der Oil Corporation plans to cond	act the mechanical integrity test on the t	converted injector on		
or about Monday, 12/15/97 and de	etermine the zone pore pressure by static bo	ottom hole pressure measurement	on 12/10/97.			
1 MIDIBII Plancuell down T	COOH with rods and pump. Kill well if nee	eded. NDWH. NUBOP. Single i	n hole with production tubing. Tag fill.	Strap out of hole.		
Determine whether all injection	in perforations are open (i.e. not covered w	ith fill).				
2 DIH with a hit and scraper to 6	899' and circulate well clean with hot wate	 r. Cleanout to PBTD at 7224' if n 	eeded. TOOH laying down production	tubing.		
2 DIJ Daless Model "EH" nacker	assembly and hydrotest & strap in hole wit	h same on 2-3/8", 4.7 lb/foot, use	d, drifted, tested, and inspected tubing.			
4 Cat madear at approximately 69	220' Set plug in packer and pressure test to	ibing to 2500 psi. If test is good,	un-j from packer on/off tool and reverse	e circulate fresh water		
'	correcion inhibitor, oxygen scavenger, sca	le inhibitor, and biocide. Place a	20' diesei freeze blanket at the top of the	Camulus.		
C. Y. banks marker, NDROP	MIJWH Hook up a pressure recording ch	eart with a pen for both tubing and	annular pressure. Conduct a mechanic	at integrity test in		
accordance with EPA specifie	d procedures. If test is not successful, pull	tubing and packer and reset, then	retest as needed. It test is successful, N	TO HEE AND ROMO		
pulling unit.		orming the initial zone nore pressu	re, in compliance with EPA regulations	i.		
Pull plug in packer. 24 hours !	later run a static BH pressure survey to dete	ermine me minar zone pore presse	, Jonipalini			

APPROVED BY _______ TITLE ______ DATE______
CONDITIONS OF APPROVAL, IF ANY:

TITLE Senior Petroleum Engineer

Attachments include current and proposed wellbore diagrams, a copy of the Completion Report for the subject well, and a copy of the final EPA permit.





FORM 8

		DIME	ST.	ATE OF UTAI	H	_						
		DIVIS	SION C	OIL, GAS	AND MININ	Ģ					5. LEASE DESI	GNATION AND SERIAL NO
											ML-2203	
	WELL CO	OMPLETION	N OR F	RECOMPLE	TION REPOR	2T /	AND LOG				6. IF INDIAN, A	LLOTTEE OR TRIBE NAM
la. TYPE OF WORK		OIL			AS	<u> </u>						
		WELL	<u>X</u>	WE	LL DR	Y [) Oth	ет			7. UNIT AGREE	MENT NAME
16. TYPE OF WELL												
NEW WELL[X]	WORK OVER	DEEP-		PLU		_	۱					
WELLIA	OVER	EN	L	BAC	K RESVE	\vdash	Othe	T		·	8. FARM OR LE	ASE NAME
2. NAME OF OPERATOR						h	BA	10 no	715			
2. Mille of Grenning	Snyde	er Oil Corpo	ration		- 111]]	16	CIIV	15	101		
3 ADDRESS OF OPERATOR	злуш	.i On Corpo	nation			//			<u> </u>	H + H	9. WELL NO.	STATE 32-6
	1625	Broadway S	uite 22	00 Denver. (Colorado 8020	10	DEC	00.400	- 1	[POOL OR WILDCAT
4. LOCATION OF WELL		cation clearly and in ac				Ŧt	1 11 6	08 1997	7-1	H ///		IOE BEND
At surface		•		, ,	1	اب			- 17	V/11		M., OR BLK AND SURVEY
850' FNL & 800'		, T6S-R21E			ווח	11	חב חני	GAS & M	<u>ا</u> ر	- 11	OR AREA	
At top prod. interval reporter SAME	d below					ν. ι	JF UIL,	GAS & M	AINI	NG		C. 32, T6S-R21E
At total depth										IVG	S,L,B & M	SURVEY
rii tota depti				14 API NO.		7	DATE ISSUED				12. COUNTY	13. STATE
SAME				43-047-32784			10/10/96	5		l	UINTAH	UTAH
15 DATE SPUDDED 10	S. DATE T.D. REA	CHED	17. D	ATE COMPL.	(Ready to provid)		S ELEVATIO	NS (DF, RKB, R	GR. E	TC.)		19 ELEV CASINGHEAD
11/16/97		01/96			7 (or Plug & Abil.)			7, KB=4828				GL=4813
20 TOTAL DEPTH, MD & TVD	21. F	PLUG BACK T.D	, MD & T	'VD	22. IF MULT HOW MA		COMPL	23. INTERVAL DRILLED B		ROTAR	Y TOOLS	CABLE TOOLS
7287'	1			7224'	11011			>	•		ALL	NONE
24. PRODUCING INTERVAL(S), O	F THIS COMPLETE	ON-TOP, BOTT	OM, NAM		D)			1.		1	ADL	25. WAS DIRECTIONAL
												SURVEY MADE
GREEN RIVER FORMATIO	N; TOP=6740	•										
(DOUGLAS CREEK MEMBI		4=7235'										No
26. TYPE ELECTRIC AND OTHER							WAS WELL CO		Yes	X	(Submit analy	
AZIMUTRAL LATEROLOG	, COMPENSAT	ED NEUTRO	N-LITH	ODENSITY, N			RILL STEM T		Yes	NO	(See reverse s	ide) 6897'-695.
28.	1 11/0	IGHT, LB /FT.		DEPTH SE			RD (Keport a IOLE SIZE	Il strings set in		NTING REC	CORD	AMOUNT PULLED
CASING SIZE								CEMENTER				AMOUNT PULLED
8 5/8"	24 1.	В		618	<u> </u>		12 1/4	CEMENTED			400 SX OF	
								CLASS G CE	MENT			NONE
5 1/2"	15.5	LB		7267	<u> </u>		7 7/8	500 SX 50/50	POZM	IX 1ST S	rG	
								1230 SX 50/50	POZN			NONE
9.			INER RE		T			30.	,		UBING RECORD	T
SIZE	TOP (MD)	+	BOTT	OM (MD)	SACKS CEMENT	S	CREEN (MD)	SIZE		DEPTH SE	I (MD)	PACKER SET (MD)
								2 7/8	7170			NONE
									<u> </u>			
L. PERFORATION RECORD		size and number)				32			ACTUR		SQUEEZE, ETC	
	7134-53((77 PERF), 709	98-104(2	5 PERF), 7078	1-84(Z5 PERF)	-		TERVAL (MD)			AND KIND OF M	
	7000-17((69 PERF), 702	26-30(13	PERF), 7050-	55(21 PERF)	\vdash	7078'-715				GAL, 43560 L	
	6899-690	32(13 PERF), 6	6918-39(85 PERF), 69	61-66(21 PERF)	\vdash	7000'-705	5'	FRAC	"D 16842	GAL, 46170 L	BS 20/40 SD
	(ALL 0.5	5" EHD) 7042	2-45(13	PERF)		L	6899'•696	6'	FRAC	'D 17136	GAL, 46350 L	BS 20/40 SD
3							DUCTION				1	
ATE FIRST PRODUCTION	PROD	UCTION METHO	OD		(Flowing, gas lift, p	numpir	ngsize and typ	oe of pump)				(Producing or shut-in)
14-Jun-97		PUMPIN	G-SUC	KER ROD PU	MP						PRODUCIN	
ATE OF TEST	HOURS T	ESTED	снокі	E SIZE	PROD FOR	O	ILBBLS	GASMCF.		W	ATERBBL	GAS-OIL RATIO
	ŀ				TEST PERIOD							
23-Jun-97		24		NONE	>		GASMC		WAT	ERBBL	OIL GRAVITY	APL(CORR)
LOW. TUBING PRESS.	CASING	PRESSURE		JLATED UR RATE	OILBBL		UASNI	(. r .	WA:	EKOBL	OIL ORATTI	-All (Colde)
	ļ			\>	17		10			35	32	
4 DISPOSITION OF GAS	(Nold used	I for fuel, vented, e	:10.)							т	EST WITNESSED	BY
SED FOR FUEL	12		-								WILLIAM !	NYLAND
5 LIST OF ATTACHMENTS											_: -	
DEN HOLF LOGS CEMEN	T BOND LOG											
6. I hereby certify hat the fores	going and attache	d information i	s comple	te and correct	as determined fro	m all	available rec	cords				
21	Pomia d	Bu Ro	10	Guni.	TITLE_		Senia	<u>~ 'U</u>	erk		DATE	12/03/97
IGNED /												
				Son Snarpe for	Additional Data o	m Re	verse Side					

PRODUCTION - INTERVAL PRODUCTION METHOD GAS WATER MCF BBL OIL GRAVIT DATE FIRST TEST HOURS DISPOSITION CORR. API PRODUCED DATE TESTED PRODUCTION BBL GAS WATER MCF BBL GAS: OIL RATIO ZONE STATUS: (PRODUCING, SHUT-IN, PLUGGED, ETC.) CASING 24 HR FLOW TUBING CHOKE PRESSURE PRESSURE RATE BBL SIZE PRODUCTION - INTERVAL D
GAS WATER OIL GRAVITY PRODUCTION METHOD GAS GAS WATER DATE FIRST TEST CORR. API DISPOSITION PRODUCTION BBL PRODUCED DATE TESTED ----> GAS OIL RATIO ZONE STATUS: (PRODUCING, SHUT-IN, PLUGGED, ETC.) GAS WATER MCF BBL CASING 24 HR FLOW TUBING CHOKE PRESSURE RATE BBL SIZE PRESSURE

30. PLEASE ATTACH AN 8.5" X 11" BASIC SKETCH SHOWING ALL SURFACE EQUIPMENT ASSOCIATED WITH PRODUCTION, FLUID SEPARATION, FLUID STORAGE, AND GAS MEASUREMENT FOR THE WELL. SHOW APPROXIMATE DISTANCES OF EQUIPMENT FROM WELLBORE. INCLUDE WATER DISPOSAL PITS IF APPLICABLE. OUTLINE UNDERGROUND FLOWLINES AND LIST ANY OTHER WELLS SHARING THE SURFACE EQUIPMENT. MENT.

31. SUMMARY OF POROUS ZONES (INCLUDE AQUIFERS):

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF. CORED INTERVALS AND ALL DRILL/STEM TESTS. INCLUDING DEPTH INTERVAL TEST, CUSHION USED. TIME TOOL OPEN FLOWING AND SHUTLIN PRESSURES AND RECOVERIES.

32. FORMATION (LOG) MARKERS

OL OPEN, FLOWING A	NO SHOTHINT	KESSORES AND RE	CO , B, and		TOP
FORMATION	TOP	воттом	DESCRIPTIONS, CONTENTS, ETC.	NAME	MEAS, DEPTH
K-1	6740	6832	ALTERNATING SAND-SHALE SEQUENCES	UINTA	SURFACE
K-2	6832	6945	ALTERNATING SAND-SHALE SEQUENCES (CORED THIS INTERVL FROM 6897-6953)	GREEN RIVER	3660
K-3	6945	7069	ALTERNATING SAND-SHALE SEQUENCES	DOUGLAS CREEK	6655
K-3	6945	7069	ALTERNATING SAND-SHALE SEQUENCES	K-1	6740
K-4	7069	7251	ALTERNATING SAND-SHALE SEQUENCES	K-2	6832
			SEQUENCES	K-3	6945
				K-4	7069
				WASATCH	7251

33. ADDITIONAL REMARKS (INCLUDE PLUGGING PROCEDURE & ATTACH CEMENT VERIFICATION):

34. CIRCLE ENCLOSED ATT	ACHMENTS: 3 WELLBORE SKETCH (See #27) 6 SUNDRY NOTICE FOR PLUGGING & CEMENT VERIFICATION
DAECHANICAL LOGS (Iful) set) TREOLOGIC REPORT	4 DST REPORT 5 DIRECTIONAL SURVEY 8 OTHER: Form 10 and Mud log
35 I hereby certify that the foregoing and attac	ned information is complete and correct as determined from all available records
PRINT Lucy We me	Claud DATE 12-3-97

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

999 18th STREET - SUITE 500 DENVER, COLORADO 80202-2466

APR 18 1997

Ref: 8P2-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Mark Mason Operations Manager Snyder Oil Corporation (SOCO) 1625 Broadway, Suite 2200 Denver, CO 80202

RE: UNDERGROUND INJECTION CONTROL (UIC)
Final Permit - Stirrup State #32-6
EPA Well Permit No. UT2809-04345
Horseshoe Bend Field
EPA Area Permit No. UT2809-00000
Uintah County, Utah

Dear Mr. Mason:

Enclosed is a Final Underground Injection Control (UIC) Area Permit for the Stirrup State #32-6 enhanced oil recovery project. A Final Statement of Basis, which discusses development of the Final Area Permit, is also enclosed.

The public comment period ended April 12, 1997. No comments were received from the applicant, the public at-large, surface or royalty owners. Therefore, the Final Area Permit is to become effective upon the date of issuance.

Following conversion, but prior to commencement of injection operations, Snyder Oil Corporation (SOCO) must meet the requirements outlined in Part II, Section C. 1., "Prior to Commencing Injection" and have received written authorization to inject by the Environmental Protection Agency (EPA).

Please notify Chuck Williams at (303) 312-6625, two (2) weeks prior to conducting a mechanical integrity test so that an authorized representative of the EPA may be present to observe the test. This test must be done according to the current UIC Guidance enclosed.

It is SOCO's responsibility to be familiar with, and to comply with, all conditions contained in this permit.

2

If you have any questions in regard to this action, please contact Chuck Williams at (303) 312-6625. Please send all correspondence, forms and reports to the ATTENTION: CHUCK WILLIAMS, citing MAIL CODE: 8P2-W-GW very prominently. Thank you for your continued cooperation.

Sincerely,

Kerrigan G. Clough

TO

Assistant Regional Administrator Office of Pollution Prevention, State and Tribal Assistance

Enclosures:

Final Area Permit Statement of Basis

Guidance for Conducting a Pressure Test to Determine if a Well has Leaks in the Tubing,

Casing or Packer

cc w/ enclosures:

Mr. Ferron Secakuku Energy & Mineral Resource Dep't. Ute Indian Tribe

Mr. Norm Cambridge Uintah & Ouray Agency BIA

Ms. Ruby Atwine, Chairperson Uintah & Ouray Business Committee Northern Ute Tribe

Mr. Jonas Grant, Director Division of Natural Resources Northern Ute Tribe

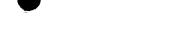
Mr. Gil Hunt State of Utah Natural Resources Division of Oil, Gas, and Mining

Mr. Jerry Kenczka BLM - Vernal District Office TEL:

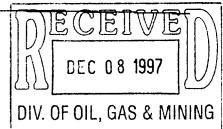
Dec 02'97

15:20 No.001 P.02









CORE ANALYSIS RESULTS

for

Snyder Oil Corp. Stirrup State 32-6 Horseshoe Bend Field Uintah Co., Utah 57122-8052

Maginal results, opinions of Interpretation's scritterad in this report are based upon información and relatives exposed by the viters for umode acciviume and confidencia use this report net (acts in myself), in an expensiva of the self judgment of Care Laboratorias. Care Laboratorias, care la como interpretation, proper in any type, and publication and publications same as to the projectivity, project or an expensivation of the self-opinion of the projectivity of the self-opinion of the projectivity of the self-opinion opinion of the self-opinion opinion of the self-opinion opinion opinion opinion of the self-opinion opinion opin

ery oil, gas, oos o

CORE LABORATORIES

Menny: Snyder Oil Corp. Nell: Stirrup State 32-6 Location: Sec 32 T6S R21E Co,State: Uintah, Utah

Field : Horseshoe Bend Formation : Green River Coring Fluid : Water Base Mud

: 4825 KB

File No.: 57122-8052 Date : 2-Dec-1996

02'97

API No. :

Analysts: DF SS

CORE ANALYSIS RESULTS

Elevation

(HYDROSTATIC CONFINEMENT)

SAMPLE	DEPTH	NOB (800	psi)	DODOCITY	SATUR	URATION		
SAMPLE NUMBER	DEFIN	K∞	Kair	POROSITY (HELIUM)	(PORE	VOLUME) WATER	GRAIN DENSITY	DESCRIPTION
	ft	md	md	%	%	WAIEK	gm/cc	
		Core No	. 1 6897.0	-6955.0 Cut	56.0' R	ec. 52.0'	•	
	6897.0- 98.0							Sltst, Sh No Analysis
1	6898.0- 99.0	<.001	0.003	1.8	0.0	83.2	2.67	Sst gry vf gr
2	6899.0- 00.0	0.004	0.009	5.6	0.0	85.3	2.68	Sst gry vf gr
3	6900.0- 01.0	0.004	0.009	3.7	0.0	87.5	2.68	Sst gry vf gr
4	6901.0- 02.0	0.004	0.008	4.9	0.0	84.0	2.67	Sst gry vf gr
5	6 9 02.0- 03.0	0.342	0.515	5.6	19.5	39.8	2.66	Sst gry/brn f-m gr
6	6903.0- 04.0	0.554	0.765	4.9	19.5	27.9	2.66	Sst gry/brn f-m gr
7	6904.0- 05.0	1.31	1.61	5.2	24.3	20.8	2.66	Sst gry/brn f-m gr
	6905.0- 07.0							Sh No Analysis
8 9	6907.0- 08.0	0.012	0.021	2.7	0.0	86.5	2.67	Sst gry f gr
9	6908.0- 09.0	0.002	0.005	3.9	3.4	84.5	2.68	Sst dkgry vf-f gr
10	6909.0-10.0	0.005	0.011	3.8	0.0	84.0	2.67	Sst gry vf gr
11	6910.0- 11.0	0.005	0.010	2.2	0.0	82.7	2.67	Sst gry vf-f gr
	6911.0- 13.0				•••	42.,	2.07	Sh, Sltst No Analysis
12	6913.0- 14.0	0.014	0.031	5.5	0.0	79.2	2.67	Sst gry vf-f gr
13	6914.0- 15.0	0.371	0.498	4.7	0.0	78.0	2.67	Set any up to an
14	6915.0- 16.0	0.023	0.052	7.4	0.0	80.4	2.68	Sst gry vf-f gr
15	6916.0- 17.0	0.023	0.047	5.1	0.0	79.3	2.68	Sst gry f-m gr clst
16	6917.0- 18.0	<.001	<.001	2.0	0.0	79.4		Sst gry f-m gr clst
17	6918.0- 19.0	0.003	0.006	6.5	0.0	79.9	2.68 2.75	Sst dkgry vf-f gr
18	6919.0- 20.0	0.001	0.004	3.2	0.0	77.0		Sst gry vf gr dol
19	6920.0- 21.0	0.064	0.077	7.0	0.0	85.3	2.68 2.77	Sst gry vf gr
		V.VV7	V.U.,	7.0	V. V	03.3	2.11	Sst gry vf gr dol sh

CORE LABORATORIES

Company : Snyder 0:1 Corp. Hell : Stirrup State 32-6

Field Formation

: Horseshoe Bend : Green River File No.: 57122-8052 Date : 2-Dec-1996

CORE ANALYSIS RESULTS

(HYDROSTATIC CONFINEMENT)

Ft	K∞ md 0.116 0.055 0.072 6.36 13.0 0.301 27.5	Mair md 0.207 0.107 0.139 7.04 14.5 0.461	7.7 5.4 8.0 8.2 9.9 7.7	(PORE 01L % 6.0 0.0 0.9 24.1 29.1	VOLUME) WATER % 50.7 58.8 68.4 21.9	GRAIN DENSITY gm/cc 2.66 2.66 2.67 2.66	Sst gry vf-f gr Sst gry vf-f gr Sst gry vf-f gr
0- 22.0 0- 23.0 0- 24.0 0- 25.0 0- 26.0 0- 27.0 0- 28.0 0- 29.0	0.116 0.055 0.072 6.36 13.0 0.301	0.207 0.107 0.139 7.04 14.5 0.461	7.7 5.4 8.0 8.2 9.9	6.0 0.0 0.9 24.1	50.7 58.8 68.4 21.9	2.66 2.66 2.67	Sst gry vf-f gr Sst gry vf-f gr
.0- 23.0 .0- 24.0 .0- 25.0 .0- 26.0 .0- 27.0 .0- 28.0 .0- 29.0	0.055 0.072 6.36 13.0 0.301	0.107 0.139 7.04 14.5 0.461	5.4 8.0 8.2 9.9	6.0 0.0 0.9 24.1	50.7 58.8 68.4 21.9	2.66 2.66 2.67	Sst gry vf-f gr Sst gry vf-f gr
.0- 24.0 .0- 25.0 .0- 26.0 .0- 27.0 .0- 28.0 .0- 29.0	0.072 6.36 13.0 0.301	0.139 7.04 14.5 0.461	8.0 8.2 9.9	0.9 24.1	58.8 68.4 21.9	2.66 2.67	Sst gry vf-f gr Sst gry vf-f gr
0- 25.0 0- 26.0 0- 27.0 0- 28.0 0- 29.0	6.36 13.0 0.301	7.04 14.5 0.461	8.2 9.9	24.1	68.4 21.9	2.67	Sst gry vf-f gr
0- 26.0 0- 27.0 0- 28.0 0- 29.0	13.0 0.301	14.5 0.461	8.2 9.9	24.1	21.9		20, 3.7 1, 1 3.
0- 27.0 0- 28.0 0- 29.0	13.0 0.301	14.5 0.461	9.9			Z.QD	Sst gry f gr
0- 28.0 0- 29.0	0.301	0.461			20.6	2.66	Sst gry f gr
0- 29.0	27.5		1.1	22.7	39.8	2.66	Sst gry f gr
		29.1	9.9	26.0	28.0	2.66	Sst gry f gr
	17.6	19.1	9.7	20.3	31.2	2.66	Sst gry f gr
0- 30.0	0.079	0.135	6.5	1.0	71.6	2.66	Sst gry vf gr
0- 31.0	8.82	9.92	10.5	29.2	28.9	2.66	Sst gry f gr
0- 32.0							Sst gry f gr
							Sst gry f-m gr
0- 34.0							Sst gry f-m gr
0- 35.0		,			51.0	L.0/	Sltst, Sh No Analysis
	0.069	0.120	8.0	A. O	77 A	2 66	Sst gry vf gr
0- 37.0						2 66	Sst gry vf gr
							Sst gry vf gr
							Sst gry vf gr
0- 40.0			• • • • • • • • • • • • • • • • • • • •	0.0	, , , ,	2.00	Sst,too broken
	0.203	0.324	7.6	0.0	70.2	2 66	Sst gry vf gr
							Sst gry vf gr sh
		,		V.V	,,,,	2.00	Clert Ch Mo Analysis
		_					Sitst, Sh No Analysis Lost core
	.0- 32.0 .0- 33.0 .0- 34.0 .0- 35.0 .0- 36.0 .0- 37.0 .0- 38.0 .0- 39.0 .0- 40.0 .0- 41.0 .0- 42.0 .0- 49.0 .0- 53.0	.0- 32.0	.0- 32.0	.0- 32.0 13.9 15.5 11.2 .0- 33.0 29.3 31.0 10.8 .0- 34.0 23.6 25.4 11.2 .0- 35.0 .0- 35.0 .0- 36.0 0.069 0.120 8.0 .0- 37.0 0.009 0.020 7.1 .0- 38.0 0.373 0.529 9.6 .0- 39.0 1.98 2.50 9.5 .0- 40.0 .0- 41.0 0.203 0.324 7.6 .0- 42.0 0.018 0.037 7.1 .0- 49.0 0 53.0	.0- 32.0	.0- 32.0	.0- 32.0

FORM		OTATE OF UTAL									
	DIVISIO	STATE OF UTAI ON OF OIL, GAS		ıG		-		i	C LEASE DESCRIPTION		
-	511.610	511 O1 O12, O/10	JANE WINA						5. LEASE DESIGN	NATION ANI	SERIAL NO.
									ML-22036	A ATTORNEY OF	
	WELL COMPLETION	OP PECOMPI E	TION DEDO	DT.	ANDLOG				6. IF INDIAN, AL	LOTTEE OR	I KIBE NAME
la. TYPE OF WORK	OIL	·	AS	NI A	AND LOG						
	WELL			ŧγΓ	Other				7. UNIT AGREEM	ENT NAME	
1b. TYPE OF WELL	_	_				***************************************		_	, order riotable	LIVI IVILIVIL	
NEW	WORK DEEP-	PI.	UG DIF	Œ							
WELL X	OVER EN	Т ва		_	Other				8. FARM OR LEA	SE NAME	
1									o. TARGO OR LEA	SIC IVALVILE	
2. NAME OF OPERATOR											
	Snyder Oil Corpor	ation	10	$\overline{}$	786		NB\		9. WELL NO		
3. ADDRESS OF OPERATOR	sayeer on corpor			+	15 G	TIP TA	ا صلا	+ \ \	STIRRUP S	TATE 32_6	ς.
	1625 Broadway Su	ite 2200 Denver	Colorado 801	nb/	/			1 11		-	
4. LOCATION OF WELL	(Report location clearly and in acco			7	\\ DEC	0.0 400	, 	1 11	10. FIELD AND PO		DCAT
At surface	inchor tocator clearly that in acco	raance wan any siane requiren	ienus)	۱۱۱	I DEC	08 199	<i>(</i>)	UI	11. SEC., T., R., M		ND SURVEY
850' FNL & 800	FEL OF SEC. 32, T6S-R21E		- 18		اك	,			OR AREA	., OR BER. 11	ILD BORVET
At top prod. interval repor	ed below								NENE, SEC	. 32, T6S-R	21E
SAME	see.			ווח	v of oil	., GAS &	MIN	ING	S,L,B & M		
At total depth				011		-)			<u>ل</u>		
		14. API NO.	_		DATE ISSUED				12. COUNTY		13. STATE
SAME 15. DATE SPUDDED	16. DATE T.D. REACHED	43-047-3278			10/10/96				UINTAH		UTAH
		17. DATE COMPL.	(Ready to prod.)		l .	NS (DF, RKB, RT	, GR, ETC	J.)			CASINGHEAD
20. TOTAL DEPTH, MD & TVD	12/01/96 21. PLUG BACK T.D.,		97 (or Plug & Abd.)	TIDI	DF=4827 LE COMPL.,	, KB=4828 23. INTERVALS	- T	DOTAB	Y TOOLS	GL=4813	TOOLS
20. 10176 DEI 111, NID & 1 VD	21. FEOG BACK 1.D.,	WID & TVD	HOW N			DRILLED BY		ROTAK	Y TOOLS	CABLE	TOOLS
7287'		7224'				>			ALL	NONE	
24. PRODUCING INTERVAL(S),	OF THIS COMPLETIONTOP, BOTTO	M, NAME (MD AND T	VD)						1122		IRECTIONAL
										SURVEY	MADE
GREEN RIVER FORMATI	ON; TOP=6740'										
(DOUGLAS CREEK MEM										No	
26. TYPE ELECTRIC AND OTHE				27.	. WAS WELL CO	RED	Yes	X NO	(Submit analy	sis)	
AZIMUTHAL LATEROLO	G, COMPENSATED NEUTRON	-LITHODENSITY,			DRILL STEM T		Yes	NO	(See reverse si	de)	6897'-6953
28.			CASING	REC	ORD (Report a	ll strings set in	well)				
CASING SIZE	WEIGHT, LB./FT.	DEPTH S	SET (MD)		HOLE SIZE		CEMEN	TING RE	CORD	AMOUNT F	ULLED
8 5/8"	24 LB	6	18		12 1/4	CEMENTED	TO SUI	RFACE	; 400 SX OF		
						CLASS G CE	MENT			NONE	
5 1/2"	15.5 LB	72	67	\top	7 7/8	500 SX 50/50		Y 1ST S	TC		
	10.00	- - '-	-	+	7 770					NONE	
29.		INER RECORD				1230 SX 50/50	POZM			NONE	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEME	NT	SCREEN (MD)	30. SIZE	1 ,	DEPTH S	TUBING RECORD	DACKED	CET (A/D)
- OLELE	TOT (NID)	BOTTOM (MD)	SACKS CEIVE	111	SCREEN (IVID)			JEP I II S	EI (MD)		SET (MD)
						2 7/8	7170			NONE	
31. PERFORATION RECORD	(Interval, size and number)	0 404/0# DTDDD #0			32.			·	T SQUEEZE, ETC.		
	7134-53(77 PERF), 709)	DEPTH IN	TERVAL (MD)	- 1	AMOUNT	AND KIND OF M.	ATERIAL US	ED
	7000-17(69 PERF), 702	6-30(13 PERF), 705	0-55(21 PERF)		7078'-715	53'	FRAC	D 2209	2 GAL, 43560 L	BS 20/40 S	D
	6899-6902(13 PERF), 6	918-39(85 PERF),	6961-66(21 PER	F)	7000'-705	55'	FRAC	D 1684	2 GAL, 46170 L	BS 20/40 S	D
	(ALL 0.5" EHD) 7042	-45(13 PERF)			6899'-696	56'	FRAC	D 1713	6 GAL, 46350 L	BS 20/40 S	D
	,	` ,									
33.				PP	RODUCTION		<u> </u>				
DATE FIRST PRODUCTION	PRODUCTION METHO	DD	(Flowing, gas li		npingsize and ty	ne of numn)			WELL STATU	(Producing o	or shut-in)
14-Jun-97		G-SUCKER ROD P		, puin	T	r - v3 r(p)			PRODUCIN		
DATE OF TEST		, 			OIL PRIC	CAS MOT				,	ATIO
DATE OF 1E31	HOURS TESTED	CHOKE SIZE	PROD FOR TEST PERIOD		OILBBLS.	GASMCF.			WATERBBL	GAS-OIL R.	MIIO
22 T 07	24	NONE	Lot I Exion								
FLOW. TUBING PRESS.	CASING PRESSURE	NONE CALCULATED	OILBBL	1	GASM	Cr	T 337 A 77	RBBL	OIL GRAVITY	ADI (CORP	`
LLOW, TODAYO FRESS,	CASING PRESSURE	24-HOUR RATE	OILBBL.		GASM	CF.	WAIL	nBBL	. OIL GRAVIIY	-AFI (CUKK	,
		>	1	.7	10			35	32		
34. DISPOSITION OF GAS	(Sold, used for fuel, vented, e	tc.)							TEST WITNESSED		
USED FOR FUEL									WILLIAM I		

35. LIST OF ATTACHMENTS

OPEN HOLE LOGS, CEMENT BOND LOG

36. I hereby certify hat the foregoing and attached information is complete and correct as determined from all available records

SIGNED LOG TITLE Server

Clark DATE 12/03/97

					PRO	DUCTION - IN	TERVAL	······	
DATEFIRST	TEST	HOURS	TEST	OIL	GAS	WATER	OIL GRAVITY	IGAS	PROD N METHOD
PROD ED	DATE	TESTED	PRODUCTION	BBL	MCF	BBL	CORR. API	DISPOSITION	
			>						
	FLOW. TUBING	CASING	24 HR.	OIL	GAS	WATER	GAS:OIL RATIO	ZONE STATUS: ()	PRODUCING, SHUT-IN, PLUGGED, ETC.)
SIZE	PRESSURE	PRESSURE	RATE	BBL	MCF			1	2.0.7
	24	İ	>						
					PRO	DUCTION - IN	TERVAL D		
DATE FIRST		HOURS	TEST	OIL	GAS	WATER	OIL GRAVITY	IGAS	PRODUCTION METHOD
PRODUCED	DATE	TESTED	PRODUCTION	BBL	MCF	BBL	CORR. API	DISPOSITION	
			>						
CHOKE	FLOW. TUBING	CASING	24 HR.	OIL	GAS	WATER	GAS:OIL RATIO	ZONE STATUS: ()	PRODUCING, SHUT-IN, PLUGGED, ETC.)
SIZE	PRESSURE	PRESSURE	RATE	BBL	MCF				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			>						

PLEASE ATTACH AN 8.5" X 11" BASIC SKETCH SHOWING ALL SURFACE EQUIPMENT ASSOCIATED WITH PRODUCTION, FLUID SEPARATION, FLUID STORAGE, AND GAS MEASUREMENT FOR THE WELL. SHOW APPROXIMATE DISTANCES OF EQUIPMENT FROM WELLBORE. INCLUDE WATER DISPOSAL PITS IF APPLICABLE. OUTLINE UNDERGROUND FLOWLINES AND LIST ANY OTHER WELLS SHARING THE SURFACE EQUIPMENT.

31. SUMMARY OF POROUS ZONES (INCLUDE AQUIFERS):

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS AND ALL DRILL/STEM TESTS, INCLUDING DEPTH INTERVAL TEST, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES AND RECOVERIES.

32. FORMATION (LOG) MARKERS

			 		TOP
FORMATION	TOP	воттом	DESCRIPTIONS, CONTENTS, ETC.	NAME	MEAS.DEPTH
K-1	6740	6832	ALTERNATING SAND-SHALE SEQUENCES	UINTA	SURFACE
K-2	6832	6945	ALTERNATING SAND-SHALE SEQUENCES (CORED THIS INTERVL FROM 6897-6953)	GREEN RIVER	3660
K-3	6945	7069	ALTERNATING SAND-SHALE SEQUENCES	DOUGLAS CREEK	6655
K-3	6945	7069	ALTERNATING SAND-SHALE SEQUENCES	K-1	6740
K-4	7069	7251	ALTERNATING SAND-SHALE SEQUENCES	K-2	6832
				K-3	6945
				K-4	7069
				WASATCH	7251

33. ADDITIONAL REMARKS (INCLUDE PLUGGING PROCEDURE & ATTACH CEMENT VERIFICATION):

1 MECHANICAL LOGS (1full set) 2 GEOLOGIC REPORT

4. DST REPORT 5. DIRECTIONAL SURVEY

3. WELLBORE SKETCH (See #27) 6. SUNDRY NOTICE FOR PLUGGING & CEMENT VERIFICATION
4. DST REPORT CORE ANALYSIS
5. DIRECTIONAL SURVEY 8. OTHER: Form 10 and Mud log

Form 10 and Mud log

35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED:

PRINT:

TITLE:

DATE:

12-3-97

DIVISION OF OIL, GAS AND MINING UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT STATEMENT OF BASIS

Applicant: Snyder Oil Company Well: Stirrup State 32-6

Location: 32/6S/21E **API:** 43-047-32784

Ownership Issues: The proposed well is located on State Institutional Trust Lands. Surface ownership in the one-half mile radius is held by the State of Utah and the BLM. Snyder Oil is the operator of all wells in the one-half mile radius. Snyder has submitted an affidavit stating that all owners and interest owners have been notified of there intent to convert the well to an injection well. The well is located in the Horseshoe Bend Unit. The Unit was approved by the Board of Oil, Gas and mining on September 24, 1997. (Cause no.127-5)

Well Integrity: The proposed well has surface casing set at 400 feet and is cemented to surface. A 5 ½ inch production casing is set at 7900 feet and has a cement top at the surface. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 6800 feet. A mechanical integrity test will be run on the well prior to injection. There are 7 producing wells and 1 plugged and abandoned well in the area of review. All of the wells have adequate casing and cement. The plugged well has adequate plugs to prevent upward migration of fluid. No corrective action will be required.

Ground Water Protection: According to Tech pub. #92 the base of moderately saline water is at a depth of approximately 3000 feet. The base of any fresh water may actually be much shallower or there in fact may be no water zones. If water zones exist in the Uinta or Green River Formation they will be discontinuous, low yielding and not subject to direct recharge. Injection shall be limited to the interval between 6820 feet and 7153 feet. in the Green River Formation. The confining zone above and below the injection zone consists of tight lacustrine silts and shales. Information submitted by Snyder indicates that the fracture gradient for the 32-6 well is .709 psig/ft. The resulting fracture pressure at the proposed uppermost perforation at 6820 feet is 1882 psig. The requested maximum pressure was 1882 psi. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected. Water analysis reports indicate that water present in the proposed injection zone has a concentration ranging from 19,000 mg/l to 39,000mg/l.

Stirrup State 32-6 Page 2

Oil/Gas& Other Mineral Resources Protection: Correlative rights and other issues were addressed at the time the project came before the Board.

Bonding: Bonded with the SITLA

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Vernal Express. A pressure test will be required prior to injection. After the 15 day notice period is up and if no objections are received, it is recommended that administrative approval be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): D.Jarvis	Date: 12/9/9)7



Michael O. Leavitt Governor Ted Stewart **Executive Director** James W. Carter Division Director 801-538-7223 (TDD)

1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax)

December 11, 1997

Snyder Oil Corporation 1625 Broadway, Suite 2200 Denver, Colorado 80202

Stirrup State 32-6 Well, Section 32, Township 6 South, Range 21 East, Uintah County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

- Compliance with all applicable requirements for the 1. operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
- Conformance with all conditions and requirements of the 2. complete application submitted by Snyder Oil Corporation.
- Conduct a pressure test for mechanical integrity prior to 3. injection.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

associate Director, Oil and Gas

Dan Jackson, EPA Ed Bonner, SITLA BLM, Vernal

(This space for Federal or State office use)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OUR GAS, AND MINING

	DIVISION OF OIL, GAS, AND MINING		5. LEASE DESIGNATION AND SERIAL NO.		
1. SUND	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBAL NAME		
	form for proposals to drill or to deepen or plug bacjk to a Use "APPLICATION FOR PERMIT" for such proposals.)		The state of the s		
OIL []			7. UNIT AGREEMENT NAME		
WELL X	GAS WELL OTHER				
2. NAME OF OPERATOR			8. FARM OR LEASE NAME		
SNYDER OIL C	ORPORATION		Listed Below		
3. ADDRESS OF OPERAT P.O. Box 695, Ve		N. Physical Control of the Control o	9. WELL NO.		
LOCATION OF WELL (See also space 17 below.) At surface	Report location clearly and in accordance with any State r	10. FIELD AND POOL, OR WILDCAT			
			II. SEC. T. B. M. OB BLK AND		
			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
14. API NUMBER	15. ELEVATIONS (Show whether DF	RT GR etc.)	12. COUNTY OR PARISH 13. STATE		
	222 11120113 (311011 111111111111111111111111111	12. COUNTY OR PARISH 13. STATE			
16.	Check Appropriate Box To Inidcate Nature of	Notice, Report, or Other Data			
NOTIC	CE OF INTENTION TO:	1	EQUENT REPORT OF:		
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL		
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING		
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*		
REPAIR WELL	CHANGE PLANS	(OTHER)			
(OTHER)	Dispose of prod. wtr X	(Note: Report resu	ults of multiple completion on Well completion Report and Log form.)		
7. DESCRIBE PROPOSED	OR COMPLETED OPERATIONS. (Clearly state all pert is directionally drilled, give subsurface locations and measurements.)	tinent details, and give pertinent dates, inc	cluding estimated date of starting any		
Bend wells, by Section 32, T66 This will be eff	quests approval to permanently detanking and then trucking it to a S, R21E. There it will be treated fective upon conversion approval active date is December 15, 1997.	the Stirrup State 32-6 lo d and injected.			
LOCATIONS:					
Stirrup 32-1-J	4304731646	S32-T6S-R21 ML-4022	. MECEIVEM!		
State 14-16	4304731417	S16-T7S-R21 ML-4090			
L.C.K. 30-1-H	4304731588	S30-T6S-R21 080P4986	1101		
Stirrup State 32-1	4306731557	S32-T6S-R21 ML-2203			
Stirrup State 32-2	4306731626	S32-T6S-R21 ML-2203	6 204 05 04 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
			DIV. OF OIL, GAS & MINING		
8. I hereby certify that the fo	regoing is true and correct				
SIGNED LI	Memer TITLE s	enior Clerk	DATE12/12/97		

DATE_

TITLE_

Snyder Oil Corporation

December 22, 1997

DEC 28 1997

1625 Broadway Suite 2200 Denver, CO 80202 303/592-8500 Fax 303/592-8600

Dan Jarvis Utah Division of Oil, Gas, & Mining 1594 West North Temple #1210 Salt Lake City, UT 84114-5801

Dan:

Here is a copy of the Mechanical Integrity Test done on the Stirrup State 32-6. I believe this is the last of the data needed for the injection. If you need more, just let me know

Kim Mitcham

Kim Motlam

(303) 592-8578

Mechanical Integrity Test

Casing or Annulus Pressure Test for Well UT2809-04345

U.S. Environmental Protection Agency

Underground Injection Control Program, UIC Implementation Section, 8WM-DW 999 18th Street, Suite 500, Denver, CO 80202-2466
This form was printed on 01/16/1997.

		١	9	1	É	7	20	٠,
					ŧ			

EPA Witness:	NONE PRE	SENT	Date 12/ v /97
Test conducted	by: WILLIAM	Nyland,	SNYDER OIL CORPORATION
Others present:	MR. DAVID	HACKFORD	STATE OF UTAH DIVISION
, page 1		•	OF OIL, gas, and MINING

STIRRUP STATE 32-6
HORSESHOE BEND
Snyder Oil Corporation, Denver, CO
Last MIT: No record / /
Max Allowed Press psig

2R UC as of 10/18/1996
NE 32 06S 21E
Op ID SNY02

Last MIT: No record / /
Max Reported Press 0 psig

[] YES

Is this a regularly scheduled test? [/] Yes [] No Initial test for permit? [/] Yes [] No Test after well rework? [/] Yes [] No

Well injecting during test?

Initial casing/tubing annulus pressure Opsig
Does the annulus pressure build back up? [] Yes [] No

	TUBING PI	PESSITER							
	12/19/97 TUBING PI	RESSURE 12/20/97							
Initial	O psig	O psig	psig						
End of Test	O psig	O psig	psig						
CASING/TUBING ANNULUS PRESSURE									
Time	Test #1	Test #2	Test #3						
0 min	1100 psig	1022 psig	psig						
5	1091	1013							
10	1091	1013							
15 min	1091	1013							
20	1091*	1013							
25		1013							
30 min		1013							
	WAS 1 ST COMDUCTE								
AFTER 20 MINU	185 Because STI	ME INSPECTOR SO	id He was sams						
Result (circle)	Pass Fail	Pass Fail	Pass Fail						

THEREFORE TEST WAS REPEATED WITHOUT MOVING TUBULARS ON 12/20197 to Comply with THE EPA page 1 of 2 30 minute Requirement.

1957

BPD



TREATMENT REPORT

Page____nf____

Date		District	VERWAL		. Receipt/	27412	CustomerSuya	LER OIL COMPANY
Lease_Fr		Well No				estoe beard	Location Sc	32 765 R11E This Well 🗵
County		State			tage Number		This Zone 🔲	<u> </u>
WELL DAT	A OG L	NG 🔲 NO	00	MD MD		Misc. Depti	TD/PB_23449 For	mation // les ste
Tubing Size		WT	4.6	9	Set at: <u>686</u>	Type (Packer <i>FH</i>	Set At
Casing Size		Wt	15.5	Set F	rom <u>Scres</u>	<u>cr</u>	Liner Size	Wt
Liner Set Fr	rom	To	C	pen Hole	: Size	- From	Cas	ing Perforations: Size
	oot	1/2		vals	6899- 715			
Previous Tr		NA				duction N/A		LIQUID PUMPED AND
		ad Used: Ye				NONE		CAPACITIES IN BBLS.
Treating Flu	uid Type: \	Water 🙆 🗚			it Fluid Vol		Gal. Lbs.	Tubing Cap. 26.9
Prop Type:	Sand U IS	SP Resin			181 <u>1/7</u>	Total Prop. Qty	LUS.	Casing Cap.
Prop Mesh	Sizes, Types	and Quantitie)6	+ Via: To	thing D. Cs	eing 🔽 Anul 🗀	Tubing & Anul.	Annular Cap/25,4
Hole Loade	d With Pack	22 Fleid	***		es of		Tabilig ar Falan 🚨	Open Hole Cap
Bull Sealers	Si	In umps Used	1 1	TEAR	۷	· · · · · · · · · · · · · · · · · · ·		Fluid to Load/
Auxiliary Ma		2111 P4 C3CC	- 1 /7 /	<u> </u>				Pad Volume
Advisor & sur								Treating Fluid /
								Flish
								Overflush
								FIGIG TO PROTVEY
					PROCEDUR	E SUMMARY		
Time AM/PM	Treating P	ressure-Pei	Surface BBLS. F	Siurry	Slurry Rate SPM		Commen	its
J: 3800	STP	Annulus	Stage	Total		test lines	@ 1500 psi	···
1:40 m	1190	C	. /	. /	.5	test casing		
W. 1887	1091	4			<u> </u>	5 min 109		
	1091	0			 	15 min 109		
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Treating P	ressure: Min		relat	۸. <u></u>	Rate on		BJ Representative	K. Steaved
	n Treating Flu	ald	1.S.D.I	5,		ens. Ib./gal. <u>คั. 3 '</u> /_	Distribution	idea O.L
Avg. Inj. R Final Shut-	are -in Pressure_	1091	ir		<u> </u>	Minutes		
	Maximum P	ressure/&	ocas.					
Job Nu	mber		7					
V000 1		Recommenda	tion ID#					

TREATMENT REPORT

Page__

12.19						Customer Synder OIL Commy
	1-97	District	VERWAL	F.1	receipt /2	1970 Location Sec 32 765 R1/E
Fig		Well No		Fie	ge Number	
נול ע		State	[TAH_		de Mnumper	
		NG NO	00 🔀	WDU	ıw 🗀	Misc. Depth TD/PB 2344 Formation / Lesak A
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a Size_	5/2	Wi	15.5	Sot Fr	om <u>) car/ar</u> c	San Cartings City
	m	To	<u> </u>	pen Hole:	Size	
Per Fo		1/2	Inter	/Al3	899- 715	uction A/A
ous Tre	atment	NA				I HOURD PUMPED AND
ATMEN	T DATA P	ad Used: Yes	No 🗷		T .	AJONE GAL CAPACITIES IN BBLS
ting Flui	d Type; \	Nater (Aci	d OIL	_i neat	Fluid Vol	Total Prop. Qtv. N/P Los. Tubing Cap
Type:	Sand 🔲 🛚 IS	Resin	Baux.	_		Casing Cap
Mesh \$	izos, Types	and Quantitie	Tres	 ₁Via: Tul	oing Ca	sing Anul. Tubing & Anul. Annular Cap. /25,4
Loaded	With <u>Pace</u>	<u>- In</u>		Stage	s of	
Bealers:		umps Used	7 4	J FAA.		Fluid to Load Pad Volume
S BITO N	terials	ando anco				Pad Volume
HELY WIN	, , , , , , , , , , , , , , , , , , ,					Flush
						Overtlush
						Fluid to Recover
					MOCENTIN	E SUMMARY
			· · · · · · · · · · · · · · · · · · ·			
ime W/PM	Treating F	ressuré-Pai	Surface BBLS. F	Slurty Pumped	Sturry Rate BPM	
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j, Rate (-	1.5.1	/· F ·		
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BJ SERVICES	1 JUB	14138:37 RESET STAGE	1421 08	i143153 t145140	14147126	14:50:58	14152146	14154131	C. Million
127412 B TIGET *		三	9000 PS1	20.0 BBL/HIN	3300 PSI			9000 PSI	- 12
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14:36:53		<u>-</u>	 - =	+ -	† =	-	-	-	E. S.
SNYDER DIL		-	ļ -	‡ =	\frac{1}{2}	<u>-</u>	<u>-</u> -	+ -	3
RON ZELLER		- ·	-	-	-	- - -	-	<u> </u>	
FED. 32-6		F	+ -	-	-			= =	-
PRESS. TEST			- O PEI	0.0 BBL/MIN	0 P\$1			0 P31	
R STRAUCH		1.7	ຫ ຕ ຕໍ່ ໜີ	7.0	10.6	14.1	25.9	17.	

P.08

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TREATMENT REPORT

Page_/_of___

					10	7415 Customer Sory	tee OIL Company
<u> 13 -</u>	70-97	District	1882AL	F. R	eceipt 12	the head Location SEC 3	2 TGS R218
se Fed		Well No	32-6	Otos	a Number	This Zone	This Well 🔀
inty U	nich	_State	JTAH_	Stag	A Millinei	Misc. Depth TD/PB_7244 For	mation Wasatch
LL DATA	LOGID N	GO NO	00 2	WD 🗀	W □	Misc. Depth TD/PS_B44_For	Set At 6817
ing Size_	1 03/2	WT.	4.10	Set	: at: <i>60</i> つ	1 yport don't Lines Sine	Wt
sing Size_ sing Size_	5/2	Wt	15.5	_ Set Fro	m Juz FA	From To Casi	ng Perforations: Size
er Set Fro	m	To	Op	en Hole:	Size		
es Per Fo				als <u>(oc</u>	99 - 715 Prior Produ	uction N/A	
vious Tre	atment	NI					LIQUID PUMPED AND
EATMEN	T DATA Pa	d Used: Yes	☐ No 🔀	Pad Ty	pe	42 Gal.	CAPACITIES IN BBLS.
-tion Elvi	d Tune: W	ater 🔼 Acid		Treat.	Fluid Vol	Total Prop. Qty. N/A Lbs.	Tubing Cap. 26.5
m Tune:	Sand ISF	P 🔲 Resin 🕻	Baux.			1012111011011	Casing Cap.
140ah S	lizae TVNAS 8	IUG CARRILITIES		Vior Tub	ing Cas	sing 🗵 Anul. 🔲 Tubing & Anul. 🔲	Annular Cap
ie Loaded	Withracks	E PIVIG		VIS. 100 Stade	s of		Open Hole Cap.
il Sealers:	lumber of Pur	In	1.5/0	eu ma	SER		Fluid to Load
pes and N	lumber of Pur	nps Useu	<u> </u>	-			Treating Fluid /
pdilary Ma	terials						Flush
	<u> </u>						Overflush
							Fluid to Recover
	· · · · · · · · · · · · · · · · · · ·						
				F	ROCEDUR	E SUMMARY	
Time	Treating Pr	essure-Pal	Surface BBLS. P	Slurry	Slurry Rate BPM	Comme	nts
AMPM		Annulus	Stage	Total		TEST TIMES @ 2500 psi	
2.40	STP	At It foliate	0	0	-5-	Shut down watch for	10 '0
1:45	1978	0	1	/_	0	Shut down water Tox	302.0
2:46	1133	0		6		Smin : 10/3 AS:	
2:51	1013	0				pain: 10/3 ps:	
1:01	1013	0				20 MIN. 10/3 PS.	
1:06	1013	0				35 min: 10/3 psi	
1:11	10 13	0			 	3c min - 1013 psi	
1:14	1013	0		ļ	+	Stut down -	
1:16		<u> </u>		-	1		
			 				
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						Customer Repre	sentative Mr Bill Lighted
	- 1	17	7/3 N	lax/		B I Benresentati	VE KINDERVIN
Treating	Pressure: Mi	···	5		Rate 0		Suyder OIL
inj. Rate	on Treating F	, ,	1.S.0).P	Flush	Dens. Ib/gal. <u>2.44</u> Distribution Minutes	
Avg. Inj.	ut-in Pressure	101		_in	20	IAIII 10100	
Operato	r's Maximum	Pressure	1000 ps	<u>, </u>			
Job	Number		Jaking ID #				
1000	0169	Recommen	dation IU #				

P. 09

TREATMENT REPORT

Page _/_ of _/_

						Customer Sau	dee OIL Company
te 13 -	20-97	District	VERZAL	F. F	eceipt <u>lä</u>		2 TGS RZIE
se Fed		_ Well No	32-6	Fiel	e Number_		This Well
inty	intah	_State	<u> </u>	Stag	6 Milliner		
	OG N	GQ NO	00 🗷	WD 🗆	I WO	Misc. Depth TD/PB 7344 For	Set At 68/7
ing Size_			4.6			Type Packer F H Type Packer F H Liner Size Casi	
sing Size_	51/2	Wt	15.5	_ Set Fro	m <u>·</u> }vzF/	From To Casi	ng Perforations: Size
er Set Fro	m	To	Op	en Hole:	SIZE	3	
	oot			818 <u>(o</u> 2	99- 711 Prior Prod	uction P/A	
vious Tre	atment	N/					LIQUID PUMPED AND
EATMEN	T DATA Pa	d Used: Yes		Pad Ty	pe	<u>42</u> Gal.	CAPACITIES IN BBLS.
astino Fiui	d Type: W	ater 🔼 Acid		Treat	Fluid Vol	Total Prop. Qty. N/A Lbs.	Tubing Cap. 26.5
A TIME	Sand ☐ ISF	Pasin (·	Casing Cap
11aab 6	Sizoe Tynas S	and Quantitie:	5	Mar Tub	ing Cas	sing 🔀 Anul. 🗋 Tubing & Anul. 📮	Annular Cap
le Loaded	: With <u>Pack</u>	EL FIVIG	11681	Stage:	5 of		Open Hole Cap
di Caalare		· IN		ey ma	5-6-6		Fluid to Load
pes and h	Number of Pur	ubs osag		1			Pad Volume Treating Fluid/
ixiliary Ma	iterials						Flush
							Overflush
							Fluid to Recover
					ROCEDUR	ESUMMARY	
Time	Treating Pr	essure-Psi	Surface BBLS. P	Siurry umped	Sturry Rate BPM	Comme	nte
AMPN	077	Annulus	Stage	Total		Test lines @ 2500 ps.	
2:40	STP	O	0	0	سى ،	load of test	
1:45	1938	0		/	0	shut down a match for	36212
2:46	122	0		0		5nin 1013 ps.	
<u>1:51</u>	1013	0				pair : 1013 ps:	
3:54	1013	C				15 min: 10/3 ps.	
1:06	10/3	0				20 min: 10/3 ps.	
: 11	10/3	0	<u> </u>			30 min - 10/3 pci	
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	1	1	7/2	27 /	022 A	vg. 1018 Customer Repre	sentative MR RILL Ny bad
Treating	Pressure: Mi	•••		ax/	Rate of	Flush BJ Representative	10 R. STEANH
inj. Rate	on Treating F	luid	1.S.D	P	Flush	Dens. Ib./gal. 8.44 Distribution) Nuger (1)
Ava. Ini.	Rate			in	30	Minutes	
Final Sh	ut-in Pressure	J/il	100005				
Operato	r's Maximum	L (492n; c*****					
Job V 000	Number .	Recommen	dation ID #				

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ED-32-6		+ =	+	<u> </u>	- - -	† =	- ·	<u>† = </u>	- :		-	1	-		<u> </u>	<u> </u>	\bot	-	= =			1
PRESSURE TEST	200		0.6 86	Lain	0.0 1.05 454	- FRI		B.O SEL-PEN	0.0 (36.24		P81	- 1000	-	0.0 LBS/SAL		FSI .	0.0	- MEN	0.0 LBS CAL	-	PSI .	0.0 000



WELL REWORK RECORD

NAME AND ADDRESS OF PERMITTEE SNYDER OIL CORPORATION 1625 BROADWAY, SWITE EZOO DENVER, CO 80202

NAME AND ADDRESS OF CONTRACTOR BJ SERVICES P.O. BOX 1230

84078 VERNAL, UT

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PERMIT NUMBER STATE UTZ809-04345 LINTAH UT SURFACE LOCATION DESCRIPTION RANGE ZIE 4 OF NE 4 OF NE 4 SECTION 37 TOWNSHIP 65 LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT Surface 850 ft. from (N/S) N Line of quarter section and 800 ft. from (E/W) E Line of quarter section TYPE OF PERMIT WELL ACTIVITY **Total Depth Before Rework** 7244' (PBTD 1 Individual ☐ Brine Disposal □ Агеа **Enhanced Recovery** Total Depth After Rework **Number of Wells** ☐ Hydrocarbon Storage (PBTD) 7244 Date Rework Commenced Well Number Lease Name 12/17/97 Horzeshoe Benio Field STIRRUP STATE **Date Rework Completed** ML- 22036 32-6 12118 197

			WELL CASIN	IG RECORD —	BEFORE REWO	RK
Cas	ing	Cen	nent	Perfor	ations	Acid or Fracture
Size	Depth	Sacks	Туре	From	То	Treatment Record
85/8"	418'	400	*CLASS G	NOKE	HOHE	HOKE
			* CEM	ented to	surface	
5/2"	7267	1730 *	*ClassG	6899'	7153'	3 FRACS TOTALING
372	1201				7' PER CBL	56,070 GALLONS GEL
						136,080 lbs 20/40 Sand
		WELL CASING	RECORD - A	FTER REWORK	(Indicate Additio	ns and Changes Only)
		· · · · · · · · · · · · · · · · · · ·				·-

Acid or Fracture Perforations Casing **Treatment Record** Sacks From Depth Type Size OR CHANGES ADDITIONS A SCHEMATIC OF THE WELBORE AFTER CONVERSION IS ATTACHED. WIRE LINE LOGS, LIST EACH TYPE DESCRIBE REWORK OPERATIONS IN DETAIL

Logged Intervals **USE ADDITIONAL SHEETS IF NECESSARY** Log Types NO LOGS WERE RUN DURING THE SEE ATTACHED CONVERSION REWORK well PROCEDURE.

THE INJECTION BONE PORE PRESSURE WAS NEASURED ON 545 psi. and is **CERTIFICATION**

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME	AND O	FFICIA	TITLE (Please	type or print)
1.42	0			

SENIOR PETROLEUM ENGINEER

SIGNATURE

DATE SIGNED 12/22/97

CONVERSION PROCEDURE STIRRUP STATE 32-6 NENE, SECTION 32, T6S-R21E, SLB&M SURVEY, UINTAH COUNTY, UTAH

1. MIRUPU. Blow well down. TOOH with rods and pump. Kill well if needed. NDWH. NUBOP. Single in hole with 2-7/8" production tubing. Tag fill. Strap out of hole. Determine if any perfs are covered by fill.

2. RIH with a bit and scraper to 6899' and circulate well clean with hot water to remove paraffin buildup. Cleanout as needed if any perfs are covered by fill. TOOH and lay down production

tubing, scraper, and bit.

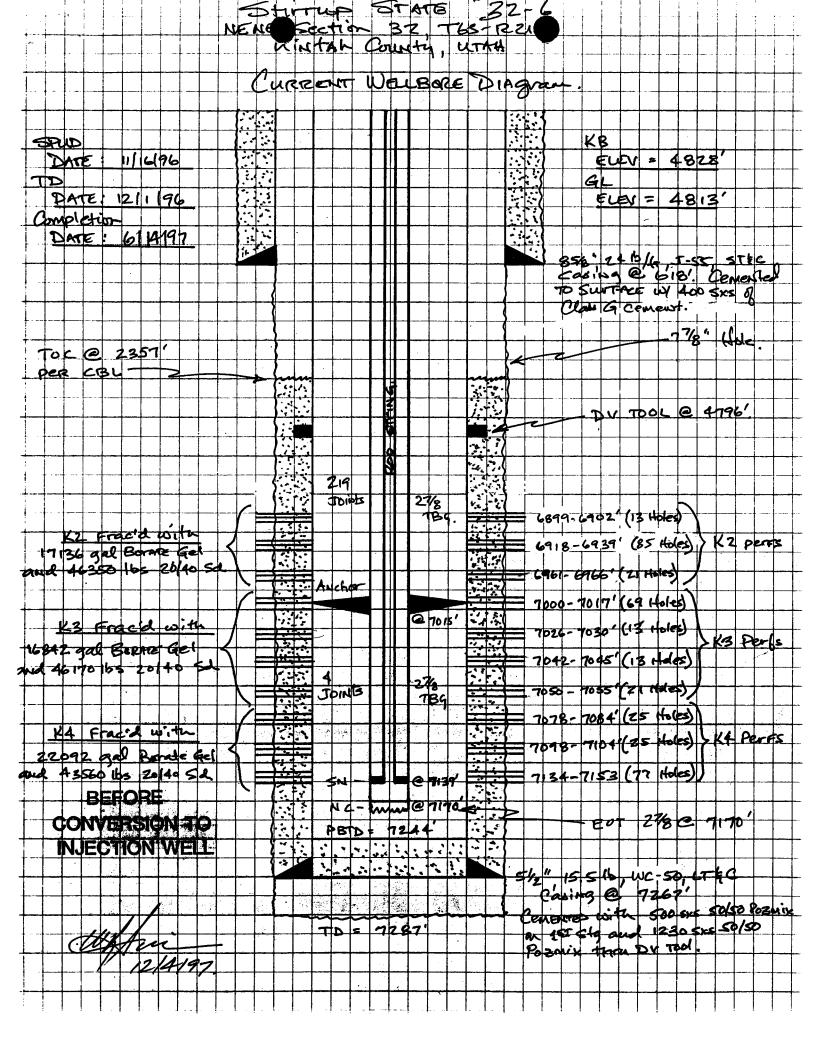
3. PU Baker model FH injection packer and assembly and single, strap, and hydrotest in hole with same on 2-3/8", 4.7 lb/ft, J-55 tubing. Set packer at approximately 6820'.

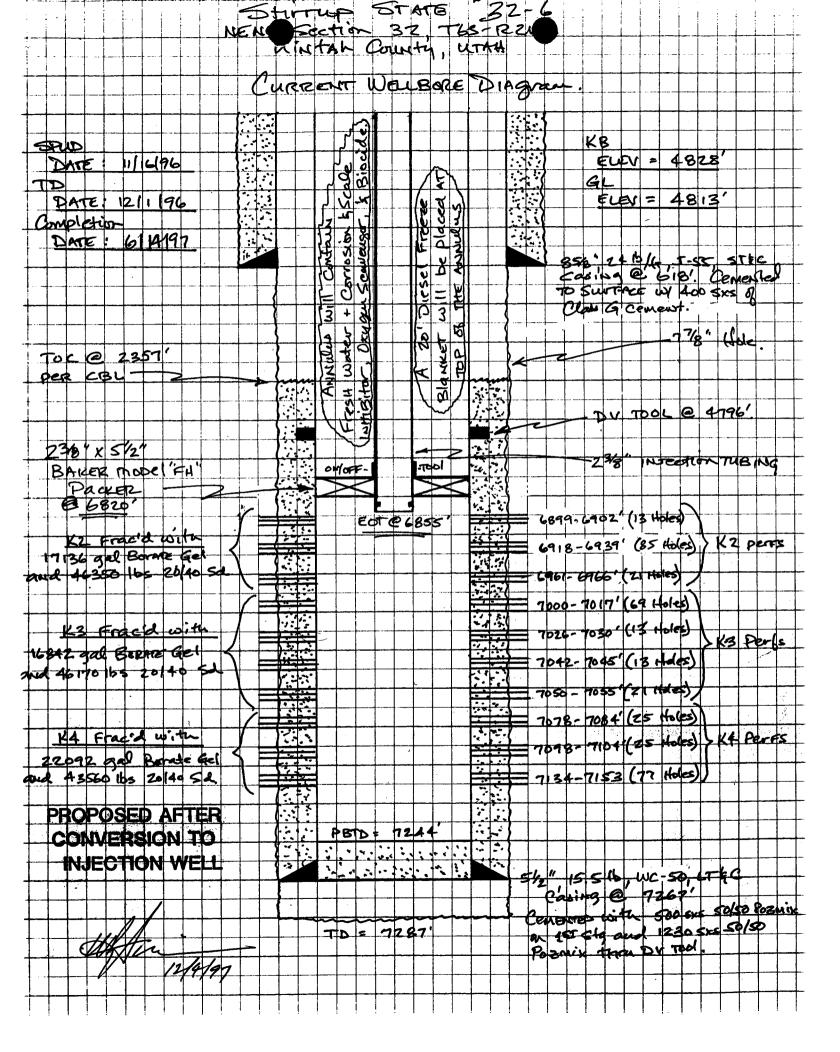
- 4. RU Delsco. Slickline set a plug in the packer and pressure test tubing for 30 minutes to 2500 psi. Record tubing and annulus pressure every 5 minutes. If test is good, bleed off pressure and un-j from packer on/off tool. Reverse circulate packer fluid into annulus consisting of fresh water with biocide, oxygen scavenger, scale inhibitor, and corrosion inhibitor. Place a 20' diesel freeze blanket at the top of the annulus.
- J- back onto packer. NDBOP. NUWH. Top off annulus with fresh water to make sure it's full. Pull the plug in the packer. Close all casing and wellhead valves and allow well to attain temperature equilibrium for 24 hours. Notify EPA, BLM, and State of Utah of expected time of mechanical integrity test.
- 6. RU Pump Truck and hook up chart pressure recorder with pens on both the tubing and annulus. Conduct formal EPA, BLM, and State of Utah mechanical integrity test as follows:
 - a) Record initial tubing and casing pressure.
 - b) If casing has pressure, bleed off casing pressure (if casing will not bleed off or will not maintain a fluid level at surface contact Denver immediately). Do not bleed off tubing pressure.
 - c) Pressure up casing to 1000 psi (NOTE: tubing pressure must be at least 200 psi different either higher or lower than the 1000 psi on the annulus).
 - d) Record tubing and casing pressure at 5 minute intervals for 30 minutes. Ensure that pressure recording chart is accurately recording pressures.
 - e) At the end of 30 minutes if the pressure change on the annulus is less than 10% then the test passed. If the pressure change is more than 10% the test failed contact Denver immediately.
 - f) If the test is good, bleed off the casing pressure (do not bleed off tubing pressure).

 Measure and record the amount of fluid bled off of the casing by using a 5 gallon bucket.
 - g) Have all regulatory representatives present sign the pressure recording chart.

7. RU Delsco. Without bleeding off tubing pressure, run a bottom hole pressure bomb under a full lubricator, to 7026' (midpoint of the perfs). Leave bomb on bottom for 1 hour. POOH. Record the injection zone pore pressure from the pressure bomb.

8. Report all data to Denver.





9833 NAVIGATION BOULEVARD P.C. 80X 3048 * HOUSTON, TEXAS 77011 TELEPHONE (713) 983-9861 * TELEX 4888978

OIL TOOL 5

DELSCO NORTHUEST DELSCO

DELSCO NORTHWEST

0-4000	
Pressure ibs. eq. in.	Time intervel From Test Start at (in hours)
574	-0- min
	5 min
	10 min
	15 min
	20 min
	25 min
	30 min
	35 min
	40 min
	45 min
	50 min
	55 min
	60 min
	75-80 mins
69	/J=80 Rutis
Avg Press	ure = 545 psi.
·	
	574 562 548 538 531 536 536 536 538 541 541 543 543 545 553



Michael O. Leavitt Governor Ted Stewart **Executive Director** James W. Carter Division Director 801-538-7223 (TDD)

1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-199

Operator:

Snyder Oil Company

Wells:

Stirrup State 32-6

Location:

Section 32, Township 6 South, Range 21 East,

County: Uintah

API No.:

43-047-32784

Well Type:

Enhanced Recovery (waterflood)

Stipulations of Permit Approval

- 1. Approval for conversion to Injection Well issued on December 11, 1997
- Maximum Allowable Injection Pressure: 1882 psig 2.
- Maximum Allowable Injection Rate: (restricted by pressure 3.
- Injection Interval: 6820 feet to 7153 feet (Green River 4. Formation)

Approved by:

hn R. Baza

Associate Director, Ord and Gas

STATE OF OTAH DEVISION OF DIE, GAS AND HENING ENTITY ACTION FORM - FORM 6

OPERATION SNYDER DIL CORPORATION ADDRESS P.O. BOX 695 VERNAL, UT 84078

OPERATOR ACCT. NO. MN1305

3002	EHITTY HO.	ENTERY NO.	APT MAJHDER	WELL MAHE	99	l sc	WELL	COCVITO	7	SPUB	EFFECTEV
D	10551	12323	4304731623	FEDERAL 33-4-D		33		315	County Winter	DATE	STAD
		nverted	to a unit.(Y	presestat Bend Unit.)	E	ndi file			14-2-98	e F. 1-1-	1 1/98 -98. Jec
IL S CO			4304731634	STIRRUP FEDERAL 29-3		29	کھا	316	Uintah		1/98
Single	1 1			Horsestre Band unit.)					<i>></i> -		
LL 3 CIN	11057 meurs:	12323	4304731557	STIRRUP FEDERAL 32-1		3 a	us	316	Uintab		
Single	i i		co a unit. (Horseshoe Rend Unit.	١						1
L 1 CUM	11058 HENTS:	12323	304731626	STIRRUP FEDERAL 32-2		32	US	315	Uintab		1/98
j	1	, – –		torsostac Bend uinit.)		;					
t 5 CUIS	12048	17323 4	304732784	STIRRUP FEDERAL 32-6		32	L S	315	Uintah		1/98
single	e wa	unco 1	cated to	a unit. (Horseshoe B	crd	uni	1.+				

A - Establish new entity for new well (single well only)

B - Add new well to existing entity (group or unit well)

C - Re-assign well (rost one existing entity to another existing entity

C - Re-assign well from one omisting entity to a new entity

C - Other (explain in comments section)

IMITE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

PRODUCTION CLERK

3/27/98

Title

Phone No. 14351789-0323

435-789-0736 Fax



1625 Broadway Suite 2200 Denver, CO 80202 303/592-8500 Fax 303/592-8600

October 8, 1998

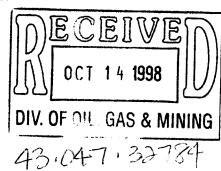
Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P. O. Box 145801 Salt Lake City, Utah 84114-5801

RE:

Stirrup State #32-6

NE/NE Sec 32 T6S-R21E Horseshoe Bend Field Uintah County, Utah

Schotik



Ladies/Gentlemen:

Enclosed, in triplicate, are Sundry Notices for the above referenced well. Snyder Oil Corporation is agreeing to accept produced water from Aviara Energy Corporation. This water will be injected into the above referenced well to help maintain the Horseshoe Bend waterflood project.

If any questions arise or additional information is required, please contact me at 303-592-8668.

Sincerely,

Phyllis Sobotik

Sr. Regulatory Specialist

/ps

Enclosures:

Xc: BLM-Vernal

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING		5. LEASE DESIGNATION AND SERIAL NO ML-22036	
SUNDRY NOTICES AND REPORTS OF (Do not use this form for proposals to drill or to deepen or plug bacjk to a different use "APPLICATION FOR PERMIT" for such proposals.)		6. IF INDIAN, ALLOTTEE OR TRIBAL NAM N/A	Œ
OIL GAS OTHER Water Injection Well		7. UNIT AGREEMENT NAME N/A	
2. NAME OF OPERATOR Snyder Oil Corporation Attn.: Phyll	is Sobotik	8. FARM OR LEASE NAME Stirrup State	
3. ADDRESS OF OPERATOR 1625 Broadway, Suite 2200 Denver, CO 80202	-	9. WELL NO. 32-6	
 LOCATION OF WELL (Report location clearly and in accordance with any State requirer See also space 17 below.) At surface 	nents.*	10. FIELD AND POOL, OR WILDCAT	
NE/NE 850' FNL & 800' FEL		Horseshoe Bend 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
14. API NUMBER 15. ELEVATIONS (Show whether DF, RT,	GR, etc.)	Sec 32 T6S-R21E S.L.B. & M St	13. STATE
43-047-32784 DF=4827' KB=4828' GL=481	3'	Uintah	Utah
16. Check Appropriate Box To Inidcate Nature of No			<u> </u>
NOTICE OF INTENTION TO:	SUBSEQ	UENT REPORT OF:	
TEST WATER SHUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL	
FRACTURE TREAT MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING	
SHOOT OR ACIDIZE ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*	
REPAIR WELL CHANGE PLANS	(OTHER)		
(OTHER) Accept Operator's Produced Water	(Note: Report result Completion or Reco	ts of multiple completion on Well completion Report and Log form.)	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent oproposed work. If well is directionally drilled, give subsurface locations and measured a Snyder Oil Corporation agrees to accept produced water from a This water will be injected into the above referenced well to he Horseshoe Bend waterflood project. Please contact Phyllis Sobotik at 303-592-8668 if any question	and true vertical depths for all markers wells operated by Aviara E lp maintain the Snyder Oil	and zones pertinent to this work.)* Inergy Corporation. Corporation	EM
18. I hereby cert that the Wregoing is true and correct		DIV. OF OIL, GAS & N	MINING
SIGNED HYPUSCHOLIK TITLE	Sr. Regulatory Specialist	DATE	Oct. 8, 1998
(This space for Federal or State office use)			
APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:		DATE	

10/28/98

LCO.EXXON.CHEMICALS

43.047.32784

Downhole Water Analysis

Copyright 1991-1995, Nalco Chemical Company

Crog Wilkins

4/16/97

CLIENT NAME: SNYDER OIL CORP. CLIENT LOCATION: UINTAH CO. UTAH

Well Number: STIRRUP LEASE STATE 32-6 — Source well for Singler is Water Source: PRODUCED WATER water flood.

DISSOLVED SOLIDS

Cations	п	ng∕l	meq/l	mg/l	
Sodium Calcium Magnesiu Barium Strontium	ım Mg++ Ba++	5627.0 160.0 48. 4.0 0,0	8.0 0 3.9 0,1 a	as NaCL as CaCO3 9 as CaCO3 as CaCO3 as CaCO3	424.7 399.6 197.7 6.8 0.0

5839.0 256.6 **Total Cations**

Anions	mg/l	mcq/1	ന്മു	
Chloride Cl-	7900.0		as NaCL	13022.9
Sulfate SO4-	375.0		46 N42SO4	554.6
Carbonate CO3=	0.0		as C2CO3	0.0
Bicarb. HCO3-	1586.0		as CaCO3	2602.0

256.6 9861.0 Total Anions

Total Solids 15700.0

METALS

as Fc Total Iron,Fc 10.6 as CaCO3 Acid to Phen CO2 0.4

OTHER PROPERTIES

pΗ Specific Gravity Turbidity jtu 20.0 Oxygen, as O2 ppm 0.0 Sulfide as H2S ppm 0.0 Temperature F 100.0

Ø 003

>>> Scaling Indices <<<

Temperature (Deg F)	Calcia Carbona		Calciu Sulfate		Barium fate Su	Strontium Ilfate
**************************************	-0.05	-50.	 18	NA	NA	
60.0	0.15	-50.8		0.06	NA	
80 .0		-51		0.06	1212	
100.0	0.38					
120.0	0,66	-51		0.03		
140.0	0.97	-50	.73	0.03	5 NA	
160.0	1.31	-49	.25	0.03	S NA	
180.0	1.69	-48	.13	0.0	5 NA	
200.0	2.11	N	A	0.03	NA NA	
220.0	NA	1	A	NA	N/	1
240.0	NA	ì	NA	N/	N/ N/	\
260.0	NA	1	NA.	N/	A NA	4
280.0	NA	1	NA	N	A N	4
300.0	NA	1	NA	N.	A N	4
320.0	NA	1	NA	N.	A N	A

Positive values indicate scaling tendencies

Downhole Water Analysis

4/16/97

Copyright 1991-1995, Nalco Chemical Company

CREG WILKINS

CLIENT NAME - AVIARA ENERGY CLIENT LOCATION: HORESHOE BEND

Well Number: 33-6-F

Water Source: PRODUCED WATER

(Native formation water of injection zone and divara wells produced water)

DISSOLVED SOLIDS

Cations I	ng/l r	neq/l mg/l	
Sodium Na+ Calcium Ca++ Magnesium Mg++	8010.0	348.3 as NaCL	350.6
	100.0	5.0 as CaCO3	249.7
	36.0	3.0 as CaCO3	148.2
Barium Ba++ Strontium Sr++	2.0	0.0 as CaCO3	3.4
	0.0	0.0 as CaCO3	0,0

356,2 Total Cations **\$1**48.0

Anions	mg/l	meq/I	mg/l	
Chloride Cl- Sulfate SO4= Carbonate CO3: Bigarb, HCO3-		332.8 5.2 0.0	as Na2SO4 as CaCO3 as CaCO3	19451.9 369.7 0,0 1821,1

356.2 13160.0 Total Anions

Total Solids 21308.0

METALS

as Fc Total Iron,Fc 0,9 as CaCO3 1.0 Acid to Phen, CQ2 0.4

OTHER PROPERTIES

ъΗ Specific Gravity 1.0 Turbidity jtu 14,0 Oxygen, as O2 ppm 0.0 Sulfide as II2S ppm 5.0 100.0 Temperature F

>>> Scaling Indices <<<

Temperature Calcium Calcium Barium Strontium

(Deg. F)	Carbona	te Sulf	ate Sulfa	ile Sulfat	í

60.0	-0.02	-53.91	NΛ	NΛ	
80.0	0.18	-54.26	0.03	NA.	
100.0	0.42	-54.55	0.02	NA	
120.G	0.69	-54.71	0.02	NA	
140.0	1.00	-54.14	0.02	NA	
160.0	1.35	-52,66	0.02	NA	
180.0	1.73	-51.55	0.02	NA	
200.0	2.16	NA	0,02	NA	
220.0	NA	NA	NA	NA	
240.0	NA	NA	NA	NA	
260.0	NA	NA	NA	NA	
280.0	NA	NA	NA	NA	
300.0	NA	NA	NA	NA	
320.0	NA	NA	NA	NA	

Positive values indicate scaling tendencies

8017





VISCO Water Compatibility Report

4/16/98

Copyright 1991-1995, Nalco Chemical Company

CREG WILKINS

CLIENT NAME : SNYDER OIL CO.

CLIENT LOCATION: STIRRUP LEASE/HORESHOE BEND

STATE 32-6/33-6-F PRODUCED WATER

PRODUCED WATER SNYDER OIL STATE 32-6

Sample Date: 4/16/98 Water Source: Produced

FRESH WATER

Sample date: 4/16/98 AVIARA ENERGY 33-6-F

Water Source: Fresh

Temperature Degrees F	Water N Fresh/Pto	disture Ca	ICO3 Lidex II/Davis S	CaSO4 Skillman	Index Actual C	CaSO4
		*****		*****	25410 22222	KZ# 4#######
60	0/100	-0.10	42.92	531		
•	20/80	-0.19	-44.99	493		
	40/60	-0.29	-47 .02	455		
	50/50	-0,34	-48.01	436		
	60/40	-0,39	49.00	416		
	80/20	-0.49	-50.95	378		
	100/0	00,0-	-52.86	340		
% 0	0/100	0.10	43.30			
60	20/80	0.01	-45 ,36			
	40/60	-0,09	-47,37			
	50/50	-0,14	-48.37			
	60/40	-0.19	-49.35			
	80/20	-0.29	-51.28			
	100/0	-0.40	-53.18			
100	0/100	0.34	-4 3,63			
	20/80	0.24	-45 .68			
	40/60	0.14	-47.68			
	50/50	0.10	-48 .67			
	60/40	0.05	-49.64			
	80/20	~O.OG	-51.57			
	100/0	-0 .17	-53,46			
120	0/100	0.60	-43.79			
•	20/80	0.51	-45.84			
	40/60	0.41	-47.84			
	50/50	0,36	-48,83			
	60/40	0,32	-4 9.80			
	80/20	0.21	-51.73			
	100/0	0.11	-53,61			
140	0/100	0,89				
	40.00	A - 1	_4A 63			

-44.94

0,81

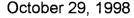
20/80

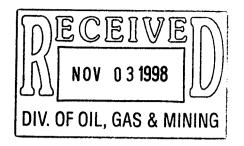


	40/60	0.72	-46.93
	40/60		
	50/50	0,67	-4 7.92
	60/40	0.62	-48 .89
	80/20	0.52	-50,21
	100/0	0.42	-52.69
160	0/100	1.22	41.86
	20/80	1.14	-43.89
	40/60	1.05	-45.89
	50 /50	1.01	-4 6,87
	60/40	0.96	-47.84
	80/20	0.87	-49,75
	100/0	0.77	-\$1.63
180	0/100	1.58	40.80
	20/80	1,50	-42.83
	40/60	1.42	-44.82
	50/50	1,38	-45.80
	60/40	1.34	-4 6.77
	80/20	1.25	-48.67
	100/0	1.16	-50.54

JY0095

Aviara Energy Corporation





State of Utah
Division of Oil, Gas, & Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84114-5801

Attention:

Mr. Dan Jarvis

Reference:

Horseshoe Bend Field

Water Disposal Uintah County, Utah

Dear Mr. Jarvis:

Enclosed please find a copy of the water analysis regarding the compatibility of the native formation water to be injected into Snyder Oil Corporation's Stirrup State #32-6 well. This information is being sent as per your request.

October 22, 1998 I sent you copies of the "Sundry Notices and Reports on Wells" indicating Aviara Energy Corporation's "Notice of Intent" to dispose of produced water from our Horseshoe Bend wells at the Stirrup State #32-6 disposal facility.

Please contact Mark Swisher, Production Engineer or myself at 713-871-3400 if you have any questions or require additional information. Your assistance with this matter is greatly appreciated.

Very truly yours,

AVIARA ENERGY CORPORATION

Victoria Guidry

Production/Regulatory Coordinator

/vjg

Enclosures

U:user\...\reg\040a

State of Utah Division of Oil, Gas And Mining

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Stirrup State #32-6		43-047-32784	
Field or unit name: Horseshoe Bend		•	
Well location: QQ: NE/NE section: 32 township	: 6S_range	: 21E_county: Uintah	
Effective Date of Transfer: 6/1/1999	_		
CURRENT OPERATOR			
Transfer approved by:			
Name: Phyllis Sobotik	_Company: _	Snyder Oil Corporation	
Signature: Myllin Jobotik	_Address:	1625 Broadway, Suite 2200	
Title: Sr. Regulatory Specialist	_	Denver, CO 80202	
Date: July 13, 1999	_Phone:	(303)-592-8668	
Comments:			
NEW OPERATOR			
Transfer approved by:			
Name: Phyllip Sobotik	_Company:	Santa Fe Snyder Corporation	
Signature: Lyllu Sobotek	_Address:	1625 Broadway, Suite 2200	
Title: Sr. Regulatory Specialist		Denver, CO 80202	
Date: July 13, 1999	_Phone:	(303)-592-8668	
Comments:			
(State use only)			
Transfer approved by: 4 Lun f Approval Date: 8-(7-99		Title: Tach Senizes Managan	

(3/89)

Snyder Oil Corporation Southern Region

1200 Smith, Suite 3300 Houston, Texas 77002 713-646-6600

June 7, 1999

State of Utah Division of Oil, Gas & Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #5736975

Dear Sir or Madam:

Santa Fe Snyder Corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

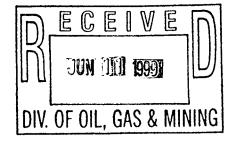
As this merger causes "Snyder" to cease to exist and their activities are covered by bond #JZ7777, please release bond # 5736975 and return it to the sender.

Thank you for your assistance in this matter.

Very truly yours,

Phillip W. Bode

Enclosure



Santa Fe Energy Resources, Inc.

June 7, 1999

State of Utah Division of Oil, Gas & Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #JZ7777

Dear Sir or Madam:

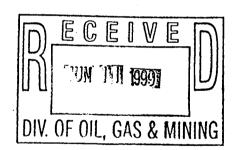
Enclosed is the above bond for Santa Fe Snyder Corporation. This corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

Thank you for your assistance in this matter.

Very truly yours,

Phillip W. Bode

Enclosure



Santa Fe Snyder Corporation

July 2, 1999

Utah Division of Oil, Gas & Mining 1594 W. North Temple, Suite 1210 P. O. Box 145801 Salt Lake City, Utah 84114-5801

Attn.: Ms. Kristen Risbeck

RE: Company Merger

Surety Bond Number - JZ 7777 Operator Number - N2000

Dear Ms. Risbeck:

Snyder Oil Corporation (SOCO) and Santa Fe Energy Resources, Inc. (Santa Fe) have merged to form Santa Fe Snyder Corporation (SFS). The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, SFS requests that June 1, 1999 be used as the effective date of merger.

Please change all operated facilities, Applications to Drill (approved and in process) and any other regulatory filings from Snyder Oil Corporation to Santa Fe Snyder Corporation. Attached is the following information in support of this request.

Copy of Merger Certificate
Copy of the Office of the Secretary of State's Acceptance
Sundry Notices for Properties Located on Fee or State Land
Sundry Notice for Federal Properties
Spreadsheet of all Utah Facilities Operated by SOCO

All correspondence, documents, notifications, etc. should continue to be sent to SFS at the following address

1625 Broadway, Suite 2200 Denver, CO 80202

Please inform SFS when this request has been accepted and the changes are finalized. If any questions arise or additional information is required, please contact me at 303-592-8668.

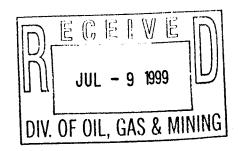
Myllis Sobotik

gr. Regulatory Specialist

/ps

Enclosures:

1625 Broadway Suite 2200 Denver, Colorado 80202 303/592-8500 Fax 303/592-8600



State of Delaware

PAGE 1

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"SNYDER OIL CORPORATION", A DELAWARE CORPORATION,

WITH AND INTO "SANTA FE ENERGY RESOURCES, INC." UNDER THE NAME OF "SANTA FE SNYDER CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE FIFTH DAY OF MAY, A.D. 1999, AT 11 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

Edward J. Freel, Secretary of State

AUTHENTICATION:

9725623

DATE:

05-05-99

0774411 8100M

991177495

CERTIFICATE OF MERGER

Merger of Snyder Oil Corporation, a Delaware corporation
With and Into
Santa Fe Energy Resources, Inc., a Delaware corporation

Pursuant to the provisions of Section 251 of the Delaware General Corporation Law, the undersigned certifies as follows concerning the merger (the "Merger") of Snyder Oil Corporation, a Delaware corporation, with and into Santa Fe Energy Resources, Inc., a Delaware corporation, with Santa Fe Energy Resources, Inc. as the surviving corporation (the "Surviving Corporation").

- 1. The Agreement and Plan of Merger, dated as of January 13, 1999 (the Agreement and Plan of Merger being hereinafter referred to as the "Merger Agreement") has been approved, adopted, certified, executed and acknowledged by Snyder Oil Corporation and Santa Fe Energy Resources, Inc. in accordance with Section 251 of the Delaware General Corporation Law.
- 2. The Merger contemplated in the Merger Agreement and this Certificate of Merger will be effective immediately upon the filing of this Certificate of Merger
- 3. The name of the Surviving Corporation shall be Santa Fe Energy Resources, Inc. which shall be changed herewith to Santa Fe Snyder Corporation.
- 4. Article FIRST of the Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc. is amended, effective as of the date hereof, to read in its entirety as follows:

"FIRST: The name of the corporation (hereinafter referred to as the "Corporation") is Santa Fe Snyder Corporation."

and that the first paragraph of Article FOURTH of the Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc. is amended, effective as of the date hereof, to read in its entirety as follows:

"FOURTH: The total number of shares of all classes of capital stock which the Corporation shall have authority to issue is 350,000,000, of which 50,000,000 shares shall be Preferred Stock, par value \$.01 per share, and 300,000,000 shares shall be Common Stock, par value \$.01 per share."

The Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc., as amended, in effect at the effective time of the Merger shall be the certificate of incorporation of the

HOU04:121911.2

Surviving Corporation.

- 5. The executed Merger Agreement is on file at the principal place of business of the Surviving Corporation, 1616 South Voss Road, Houston, Texas 77057.
- 6. A copy of the Merger Agreement will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of Snyder Oil Corporation or Santa Fe Energy Resources, Inc.

Dated this 5th day of May, 1999.

SANTA FE ENERGY RESOURCES, INC.

Name: David L. Hicks

Title: Vice President — Law and

General Counsel

FORM 3160-5 (June 1990)

Conditions of approval, if any:

ITED STATES ENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

\	FORM APPROVED
,	Budget Bureau No. 1

No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No. SUNDRY NOTICES AND REPORTS ON WELLS See Attached List Do not use this form for proposals to drill or to deepen or reentry a different reservoir. 6. If Indian, Allottee or Tribe Name Use "APPLICATION FOR PERMIT -" for such proposals See Attached List 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well 8. Well Name and No. See Attached List See Attached List Well Weli Other 9. API Well No. 2. Name of Operator See Attached List Santa Fe Snyder Corporation Attn.: Phyllis Sobotik 10. Field and Pool, or Exploratory Area See Attached List 3. Address and Telephone No. 1625 Broadway, Suite 2200, Denver, CO 80202 303-592-8668 11. County or Parish, State 4. Location of Well (Footage, Sec., T., R., m., or Survey Description) See Attached List See Attached List CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION Notice of Intent Abandonment Change of Plans Recompletion New Construction Subsequent Report Plugging Back Non-Routine Fracturing Water Shut-Off Casing Repair Final Abandonment Notice Altering Casing Conversion to Injection Change of Operator ote: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* Snyder Oil Corporation and Santa Fe Energy Resources, Inc. have merged to form Santa Fe Snyder Corporation. The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, Santa Fe Snyder Corporation requests that June 1, 1999 be used as the effective date of merger. A copy of the Merger Certificate and of the Office of the Secretary of State's Acceptance is attached. Nationwide BLM Bond Number - UT-0855 Surety Bond Number - 400JF 5433 DIV. OF OIL. GAS & MINIT Please contact Phyllis Sobotik at 303-592-8668 if you have any questions. 14. I hereby certify that the foregoing is true and correct 01-Jul-99 Title Sr. Regulatory Specialist Date Signed State office use (This space for Federal Title Date Approved by

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

UTAH FACILITIES

		Tribe								Lease	Mineral		
Lease	Unit Name	Name	Field	Stat	County	1/41/4	S	T	R	Number	Type	API Number	Comments
State #16-1-O			Monument Butte (Castle Peak)	INA	Duchesne	SW/SE	16	98	16E	ML 16532	STATE	43-013-31022	10200
State #16-2-N			Monument Butte (Castle Peak)	ACT	Duchesne	SE/SW	16	98	16E	ML 16532	STATE	43-013-31094	10199
Stirrup #32-1J			Horseshoe Bend	ACT	Uintah	NW/SE	32	68	21E	ML 40226	STATE	43-047-31646	9614
Stirrup Federal #29-2			Horseshoe Bend	INA	Uintah	NW/SE	29	68	21E	U 46699	FED	43-047-31508	11055
Stirrup Federal #29-3	Horseshoe Bend		Horseshoe Bend	INA	Uintah	SE/SE	29	68	21E	U 46699	FED	43-047-31634	12323
Stirrup State 32-1	Horseshoe Bend		Horseshoe Bend	ACT	Uintah	NW/NE	32	6S	21E	ML 22036	STATE	43-047-31557	12323
Stirrup State #32-2	Horseshoe Bend		Horseshoe Bend	ACT	Uintah	SE/NE	32	68	21E	ML 22036	STATE	43-047-31626	12323
Stirrup State #32-6	Horseshoe Bend		Horseshoe Bend	ww	Uintah	NE/NE	32	68	21E	ML 22036	STATE	43-047-32784	Injector 2323
UTD Chasel #24-14			Eight Mile Flat North (Monument Butte)	INA	Uintah	SE/SW	24	98	18E	U 67549	FED	43-047-32566	11798
UTD Kidd #20-16			Eight Mile Flat North (Monument Butte)	ACT	Uintah	SE/SE	20	98	18E	U 67178	FED	43-047-32568	11727
Ute Tribal #13-1		Ute	Leland Bench	ACT	Uintah	NE/NE	13	48	1E	14-20-H62-4376	FED	43-047-31846	10931
Ute Tribal #15-1		Ute	Windy Ridge West (Leland Bench)	INA	Uintah	SW/SW	15	48	1E	14-20-H62-4527	FED IND	43-047-31936	11218
Ute Tribal #16-1		Ute	Windy Ridge West (Leland Bench)	ACT	Uintah	SE/SE	16	48	11	14-20-H62-4526	FED IND	43-047-31933	11219
Ute Tribal #21-1		Ute	Windy Ridge West (Leland Bench)	ACT	Uintah	NE/NE	21	48	1E	14-20-H62-4418	FED IND	43-047-31821	10818
Ute Tribal #21-W-1 (Wtr Supply)		Ute	Windy Ridge West (Leland Bench)	INA	Uintah	NE/NE	21	48	1E	14-20-H62-4418	FED IND		On same pad w/21-1
Ute Tribal #21-2H	-	Ute	Windy Ridge West (Leland Bench)	ACT	Uintah	SE/NE	22	48	1E	14-20-H62-4418	FED IND	43-047-32570	11725
Ute Tribal #21-3B		Ute	Windy Ridge West (Leland Bench)	ACT	Uintah	NW/NE	21	48	1E	14-20-H62-4418	FED IND	43-047-32571	11770
Ute Tribal #21-4G		Ute	Windy Ridge West (Leland Bench)	INA	Uintah	SW/NE	21	48	1E	14-20-H62-4418	FED IND	43-047-32664	11766
Ute Tribal #21-5C		Ute	Windy Ridge West (Leland Bench)	TAD	Uintah	NE/NW	21	48	1E	14-20-H62-4418	FED IND	43-047-32690	11860
Ute Tribal #22-1		Ute	Windy Ridge West (Leland Bench)	INA	Uintah	NW/NW	22	48	1E	14-20-H62-4528	FED IND	43-047-31934	1220
Ute Tribal #22-2		Ute	Windy Ridge West (Leland Bench)	INA	Uintah	SW/NW	22	48	1E	14-20-H62-4528	FED IND	43-047-32097	11343
Ute Tribal #22-4I		Ute	Windy Ridge West (Leland Bench)	ACT	Uintah	NE/SE	22	48	1E	14-20-H62-4528	FED IND	43-047-32572	11748
Ute Tribal #23-1	Leland Bench	Ute	Windy Ridge East (Leland Bench)	ACT	Uintah	SW/SE	23	48	1E	14-20-H62-4529	FED IND	43-047-31935	12010
Ute Tribal #25-1	Leland Bench	Ute	Windy Ridge East (Leland Bench)	ACT	Uintah	SW/NW	25	48	1E	14-20-H62-4417	FED IND	43-047-31848	12010
Ute Tribal #25-F	Leland Bench	Ute	Windy Ridge East (Leland Bench)	ACT	Uintah	SE/NW	25	48	1E	14-20-H62-4823	FED IND	43-047-32809	12010
Ute Tribal #26-1	Leland Bench	Ute	Windy Ridge East (Leland Bench)	ACT	Uintah	SE/NE	26	48	1E	U 35A	FED	43-047-31822	Injector ZDID
Ute Tribal #26-1C	Leland Bench	Ute	Windy Ridge East (Leland Bench)	ACT	Uintah	NE/NE	26	48	1E	U 35A	FED	43-047-31738	12010
Ute Tribal #26-3G	Leland Bench	Ute	Windy Ridge East (Leland Bench)	ACT	Uintah	SE/NE	26	48	1E	U 35A	FED	43-047-32667	12010
Ute Tribal #26-5J	Leland Bench	Ute	Windy Ridge East (Leland Bench)	ACT	Uintah	NW/SE	26	48	1E	U 35A	FED	43-047-32574	12010
Ute Tribal #27-1		Ute	Windy Ridge West (Leland Bench)	ACT	Uintah	NW/NW	27	48	1E	14-20-H62-4530	FED IND	43-047-31942	11221
Walker Hollow Unit #6	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	SE/SE	8	7S	23E	U 02651	FED	43-047-31034	2760
Walker Hollow Unit #J-8	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	NW/SE	8	78	23E	U 02651	FED	43-047-31092	2760
W. Walker Fed. #1C-33			Horseshoe Bend	ACT	Uintah	NW/SW	33	6S	22E	U 38411	FED	43-047-30815	2715
W. Walker St. #1C-32			Horseshoe Bend	ACT	Uintah	NE/SW	32	6S	22E	ML 33526	STATE	43-047-30877	2720
West Walker St. #2-32			Horseshoe Bend	INA	Uintah	NW/NE	32	68	22E	ML 33526	STATE	43-047-30878	2721
White River #1-14			Natural Buttes	INA	Uintah	NE/NW	14	108	23E	U 38427	FED	43-047-30481	1500
Willow Creek Unit #1			Pack Mountain (Willow Creek)	INA	Uintah	SE/NE	27	118	20E	U 34705	FED	43-047-31775	10804
Willow Creek Unit #2			Brown Canyon (Willow Creek)	INA	Uintah	SE/SW	5	11S	20E	U 39223	FED	43-047-31818	11604
Wolf Government Federal # 1			Horseshoe Bend	ACT	Uintah	NE/NE	5	78	22E	U 075939	FED	43-047-15609	2755

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING		5. LEASE DESIGNATION AND SERIAL NO. ML 22036				
SUNDRY NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBAL NAME				
(Do not use this form for proposals to drill or to deepen or plug bacjk to a different res Use "APPLICATION FOR PERMIT-" for such proposals.)	servoir.					
OIL GAS WELL OTHER X Injector		7. UNIT AGREEMENT NAME Horseshoe Bend Unit				
2. NAME OF OPERATOR Santa Fe Snyder Corporation		8. FARM OR LEASE NAME Stirrup State				
3. ADDRESS OF OPERATOR	9. WELL NO.	.				
1625 Broadway, Suite 2200 Denver, CO 80202	#32-6					
 LOCATION OF WELL (Report location clearly and in accordance with any State requirements See also space 17 below.) At surface 		10. FIELD AND POOL, OR WILDCAT				
		Horseshoe Bend				
		II. SEC., T., R., M., OR BLK. AND SURVEY OR AREA				
NE/NE 850' FNL, 800' FEL		Sec 32, T6S-R22E				
14. API NUMBER 15. ELEVATIONS (Show whether DF, RT, G	R, etc.)		3. STATE			
43-047-32784 4828' KB		Uintah	Utah			
16. Check Appropriate Box To Inidcate Nature of Notic	e, Report, or Other Data					
NOTICE OF INTENTION TO:	SUBSEQ	UENT REPORT OF:				
TEST WATER SHUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL				
FRACTURE TREAT MULTIPLE COMPLETE SHOOT OR ACIDIZE ABANDON*	FRACTURE TREATMENT SHOOTING OR ACIDIZING	ALTERING CASING ABANDONMENT*				
REPAIR WELL CHANGE PLANS		لـــا لـ	 *			
	(OTHER)		<u>X</u>			
(OTHER)		of multiple completion on Well npletion Report and Log form.)				
 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent detail proposed work. If well is directionally drilled, give subsurface locations and measured and tru 	s, and give pertinent dates, including estin	nated date of starting any				
Snyder Oil Corporation and Santa Fe Energy Resources, Inc. have	e merged to form Santa Fe Sr	nyder Corporation.				
The legal acceptance date of the merger is May 5, 1999. However						
Santa Fe Snyder Corporation requests that June 1, 1999 be used as	_					
A copy of the Merger Certificate and of the Office of the Secretary	y of State's Acceptance is atta	ached.				
•						
Surety Bond Number - JZ 7777						
New Operator Number - N2000		P. 10				
		IN EGEI				
		IU/F				
			1000			
			1999 1999			
		DIV. OF OIL, GA	S & MINING			
\cap .		<u> </u>				
18. I hereby positivy that the systeming is true and correct		- The second Control of the second Control o				
SIGNED SIGNED TITLE	Sr. Regulatory Specialist	DATE	7/1/99			
(I has space for reactar or State omce use)						
APPROVED BYTITLE		DATE_				
CONDITIONS OF APPROVAL, IF ANY:		DAIL				

To: Ed Bonner From: Kristen Risbeck

School & Institutional Trust

Division of Oil, Gas & Mining

Lands Administration

Subject: Operator Change

MESSAGE	Doto	08/11	10	99	
MESSAGE	Date	08/11	19	_99	- 1

Ed,

For your information, attached are copies of documents regarding an operator name change on a state lease(s)

These companies have complied with our requirements. Our records have been updated. Bonding should

be reviewed by your agency ASAP.

Former Operator: Snyder Oil Corporation

New Operator: Same re	Shyder Corporation		* · · · · ·	
Well(s):	API:	Entity:	S-T-R:	Lease:
Alger Pass 1	43-047-31824	10828	02-11S-19E	ML-36213
Archy Bench St. 1-2	43-047-31489	09871	02-11S-22E	ML-22348A
Castle Peak St. 32-16	43-013-30650	00445	16-09S-16E	ML-16532
Castle Peak St. 33-16	43-013-30640	00440	16-09S-16E	ML-16532
Gusher Unit 3	43-047-15590	10341	10-06S-20E	ML-06584
Horseshoe Bend 36-1P	43-047-31482	09815	36-06S-21E	ML-33225
Lookout Point 1-16	43-047-30544	01495	16-10S-23E	ML-22186A
State 14-16	43-047-31417	08010	16-07S-21E	ML-40904
State 16-1-O	43-013-31022	10200	16-09S-16E	ML-16532
State 16-2-N	43-013-31094	10199	16-09S-16E	ML-16532
Stirrup 32-1J	43-047-31646	09614	32-06S-21E	ML-40226
Stirrup St. 32-1	43-047-31557	12323	32-06S-21E	ML-22036
Stirrup St. 32-2	43-047-31626	12323	32-06S-21E	ML-22036
Stirrup St. 32-6	43-047-32784	12323	32-06S-21E	ML-22036
W. Walker St. 1C-32	43-047-30877	02720	32-06S-22E	ML-33526
West Walker St. 2-32	43-047-30878	02721	32-06S-22E	ML-33526

cc: Operator File	Signed Knsten Risbick
REPLY	Date 19
	Signed

FORMS\SPEEDLTR

	A		
VICION !	ìni, √as	and	Mining

DPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Routing:	
1-KDR	6-KAS
2-CLH	7-83-70
3-8RB	8-FILE
(CDW	9-ble
5-KDR✓	

initial eac	each listed item when completed. Write N/A if item is not applicable.									
☐ Change of Operator (well sold) ☐ Designation of Operator				. •	nation of Ag tor Name Ch	<u> </u>	DK ¥			
he oper	rator of the w	ell(s) listed	below has c	hanged, eff	ective: 6-	1–99				
O: (nev	w operator) (address)	P.O. BOX BAGGS, W	129	2321	FROM: (old	l operator) (addre	ess) P.C BAG Pho	SNYDER OIL CORPORATION P.O. BOX 129 BAGGS, WYOMING 82321 Phone: (307) 383-2800 Account no. N1305		
VELL(S) attach addition		•		ESHOE BEND	, LOVE, I	EAST BEN	CH & WA	LKER HO	LLOW UNITS
lame:	*SEE ATTA		API: 43-6 API: API: API: API: API: API: API: API:	A7-3278	f Entity: Entity: Entity: Entity: Entity: Entity: Entity:	s s s	T T T T T T T T T T	R R R R R R R	Lease: Lease: Lease: Lease: Lease: Lease: Lease: Lease:	
)PERA	TOR CHAI	NGE DOCU	JMENTAT	ION						
<u>P</u> 1.					n has been re				*	
<u>₩</u> -2.	(r649-8-10) form).	Sundry or	other legal	documentat	tion has been	received	from the	NEW of	perator (Attach to the
<u>D</u> 1 −3.	3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) If yes, show company file number: #0 879									
<u>D</u> R-4.	FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.									
DR-5.	Changes have been entered in the Oil and Gas Information System (3270) for each well listed above.									
¥ 6.	Cardex file	has been u	pdated for e					_		
P 7.	Well file la	bels have be	een updated	for each we	ell listed abov	ve.(NKW '	system			
<u>r</u> 8.	Changes hav	ve been inclu nds, Soverei	ided on the gn Lands, U	monthly "Oj IGS, Tax Co	perator, Add ommission, e	ress, and A tc. (8.2	ccount C	hanges"	memo fo	or distributio
£9.	A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.									

OPERAT	OR CHANGE WORKSHEET (continued) - Initial each item when completed. Write N/A if item is not applicable.
ENTIT	Y REVIEW
<u>W</u> - 1.	(r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) If entity assignments were changed, attach copies of Form 6, Entity Action Form.
<u>P</u> 2.	Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.
BOND '	VERIFICATION - (FEE WELLS ONLY)
<u>M</u> −1.	(r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond. (ルピル レード・ター サブスフラフラ)
<u>1</u> 2.	A copy of this form has been placed in the new and former operator's bond files.
<u>D</u> -3.	The FORMER operator has requested a release of liability from their bond (ves)no), as of today's date If yes, division response was made to this request by letter dated
LEASE	INTEREST OWNER NOTIFICATION OF RESPONSIBILITY
<u> 1</u> 661.	Copies of documents have been sent on 8/12/99 to Ed BMM at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
<u>₩</u> 2.	(r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19, of their responsibility to notify all interest owners of this change.
FILMIN	NG
<u>Y</u> S 1.	All attachments to this form have been microfilmed . Today's date: $9-29-99$.
FILING	
1.	Copies of all attachments to this form have been filed in each well file.
_ 2.	The original of this form, and the original attachments are now being filed in the Operator Change file.
COMM	ENTS

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: S	Stirrup State #32-6		
	lorseshoe Bend		
Well location: QQ: NE/NE s	ection: 32 township:	6S range:	21E county: Uintah
Effective Date of Transfer: 9			
CURRENT OPERATOR Transfer approved by:			
Name: Phyllis Sobotik		Company: _	Santa Fe Snyder Corporation
Signature:	Sotio	Address:	1625 Broadway, Suite 2200
Title: Sr. Regulatory Special	ist	-	Denver, CO 80202
Date: September 1, 1999		Phone:	303-592-8668
Comments:			
NEW OPERATOR			
Transfer approved by:	1.7		
W.L.Dennell Name: Ronald M. Routh	у	Company:	Coastal Oil & Gas Corporation
Signature:	Domely	Address:	P. O. Box 1148
Vice Preside Title: Sr. Environmental Coo		_	Vernal, Utah 84078
Date: August 3	1, 1999	Phone:	435-781-7021
Comments:			
(State use only) RECords 5	how well is d	ue For	· a viethonical integrity test.
Transfer approved by:	186		Title: Tzch. Swebes Mangel
Approval Date: 4-25	-00		~

FORM 3160-5 (June 1990)

BUREAU OF LAND MANAGEMENT

FO	RM	APP	RO	١	/EI)		
_	_	_						

Budget Bureau No. 1004-0135

Expires: March 31, 1993

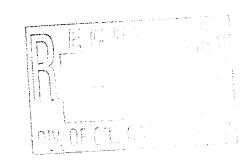
Lease	D	esi	gna	tio	n	ar	ıd	Serial	No.
	_		_	_	_	_	_		

SUNDRY NOTICES AN	ML 22036 State		
Do not use this form for proposals to drill or to Use "APPLICATION I	6. If Indian, Allottee or Tribe Name		
SUBMIT I	N TRIPLICATE	7. If Unit or CA, Agreement Designation	
Oil Gas Well X Other	8. Well Name and No. Stirrup State #32-6 9. API Well No.		
2. Name of Operator	43-047-32784		
Santa Fe Snyder Corporation	10. Field and Pool, or Exploratory Area		
3. Address and Telephone No.	Horseshoe Bend		
1625 Broadway, Suite 2200, Der	11. County or Parish, State		
4. Location of Well (Footage, Sec., T., R., m., or Survey Description)		7	
850' FNL, 800' FEL NE/NE		Uintah, Utah	
Sec 32 T6S-R21E	24		
12. CHECK APPROPRIATE BO	X(s) TO INDICATE NATURE OF NOTICE, RE	PORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTI	ON	
Notice of Intent	Abandonment	Change of Plans	
	Recompletion	New Construction	
Subsequent Report	Plugging Back	Non-Routine Fracturing	
	Casing Repair	Water Shut-Off	
Final Abandonment Notice	Altering Casing	Conversion to Injection	
	X Other Change of Operator	Dispose Water (Note: Report results of multiple completion on Well	
		Completion or Recompletion Report and Log form.)	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Santa Fe Snyder Corporation has sold the above referenced property to Coastal Oil & Gas Corporation. The effective date of this change is September 1, 1999.

Please contact Phyllis Sobotik at 303-592-8668 if you have any questions.



14. I hereby certify that the foregoing is true and correct Signed Yhllw Chotik	Title	Sr. Regulatory Specialist	Date	09-Aug-99
(This space for Federal or State office use) Approved by Conditions of approval, if any:	Title		Date	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FORM 3160-5

HINITED STATES

	FORM APPROVED
)	Budget Bureau No. 1

UNITED STATES	FORM APPROVED
MENT OF THE INTERIOR	Budget Bureau No. 100-
DATE OF LAND MANAGEMENT	Exnires: March 31 199

(June 1990) DEPA MENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT					Budget Bureau No. 1004-0135 Expires: March 31, 1993
·	SUNDRY NOTICES AN	D REF	PORTS ON WELLS	5. Lea	se Designation and Serial No. ML 22036 State
Do not use this f			or reentry a different reservoir. RMIT -" for such proposals	6. If In	dian, Allottee or Tribe Name
	SUBMIT I	N TRIF	PLICATE	7. If U	nit or CA, Agreement Designation
1. Type of Well Oil Well	Gas Well X Other	Injector			Name and No. Stirrup State #32-6
2. Name of Operator			· · · · · · · · · · · · · · · · · · ·	9. API	Well No. 43-047-32784
Coastal C	il & Gas Corporation		Attn.: Ronald M. Routh	10. Field	d and Pool, or Exploratory Area
3. Address and Telephone	No.				Horseshoe Bend
	1148 Vernal, Utah 84	1078	435-781-7021	11. Cou	nty or Parish, State
	age, Sec., T., R., m., or Survey Description) 00' FEL NE/NE 6-R21E				Uintah, Utah
12.	CHECK APPROPRIATE BO	X(s) TO	INDICATE NATURE OF NOTICE, RE	PORT	, OR OTHER DATA
	OF SUBMISSION		TYPE OF ACTI		
ally drilled, give sub Please be a to be the op	obsurface locations and measured and true vertical divised Coastal Oil & Gas poerator of the above references	cal depths for Corpora	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Change of Operator In a give pertinent dates, including estimated date of starting a rall markers and zones pertinent to this work.)* Pation at P. O. Box 1148 Vernal, Utalell and is responsible under the term	Conny propose	78 is considered
of the lease	for the operations conduc	ted upo	n the leased lands.		
Effective da	ate of change is September	· 1, 199	9.		
BLM bond	coverage is provided by U6	05382-	9		SEP 2 1 CH :
Utah state	bond coverage is U2644	1534.	State operator number is 17102	\$	Model of Marketine (Marketine)
					The production of the second o
Please conf	tact Ronald M. Routh at 43	5-781-7	7021 if you have any questions.		
14. I hereby certify that the	foregoing is true and correct		Vice President		

14. I hereby certify that the foregoing is true and correct Signed	Title	Vice President Sr. Environmental Goordinator.	Date	16-Aug-99
(This space for Federal or State office use)				
Approved by	Title		Date	
Conditions of approval, if any:				

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5 (August 1999)

ED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135 Expires: November 30, 2000

5. Lease Serial No.

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.					ML - 22036 6. If Indian, Allottee or Tribe Name N/A		
SUBMIT IN TRIPLICATE - Other instructions on reverse side					7. If Unit or CA/Agreement, Name and/or NN/A		
1. Type of Well Oil Well Gas Well X Other Pipeline 2. Name of Operator Coastal Oil & Gas Corporation 3a. Address P.O. Box 1148, Vernal UT 84078 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NENE Sec.32, T6S, R21E 850 'FNL & 800 'FEL 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPO					#32-6 9. API Well No. 43-047-32784 10. Field and Pool, or Exploratory Area Horseshoe Bend 11. County or Parish, State Uintah, County Utah		
TYPE OF SUBMISSION			E OF ACTION				
X Notice of Intent Subsequent Report Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans Convert to Injection	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Reclamation Recomplet	e y Abandon	Water Shut-Off Well Integrity X Other Pipeline ROW		
 Describe Proposed or Completed Operation (clearl If the proposal is to deepen directionally or recomp Attach the Bond under which the work will be per following completion of the involved operations. 	plete horizontally, give surformed or provide the B	bsurface locations and measu and No. on file with BLM/B	ared and true ver IA. Required so	tical depths of a bsequent report	all pertinent markers and zones. rts shall be filed within 30 days		

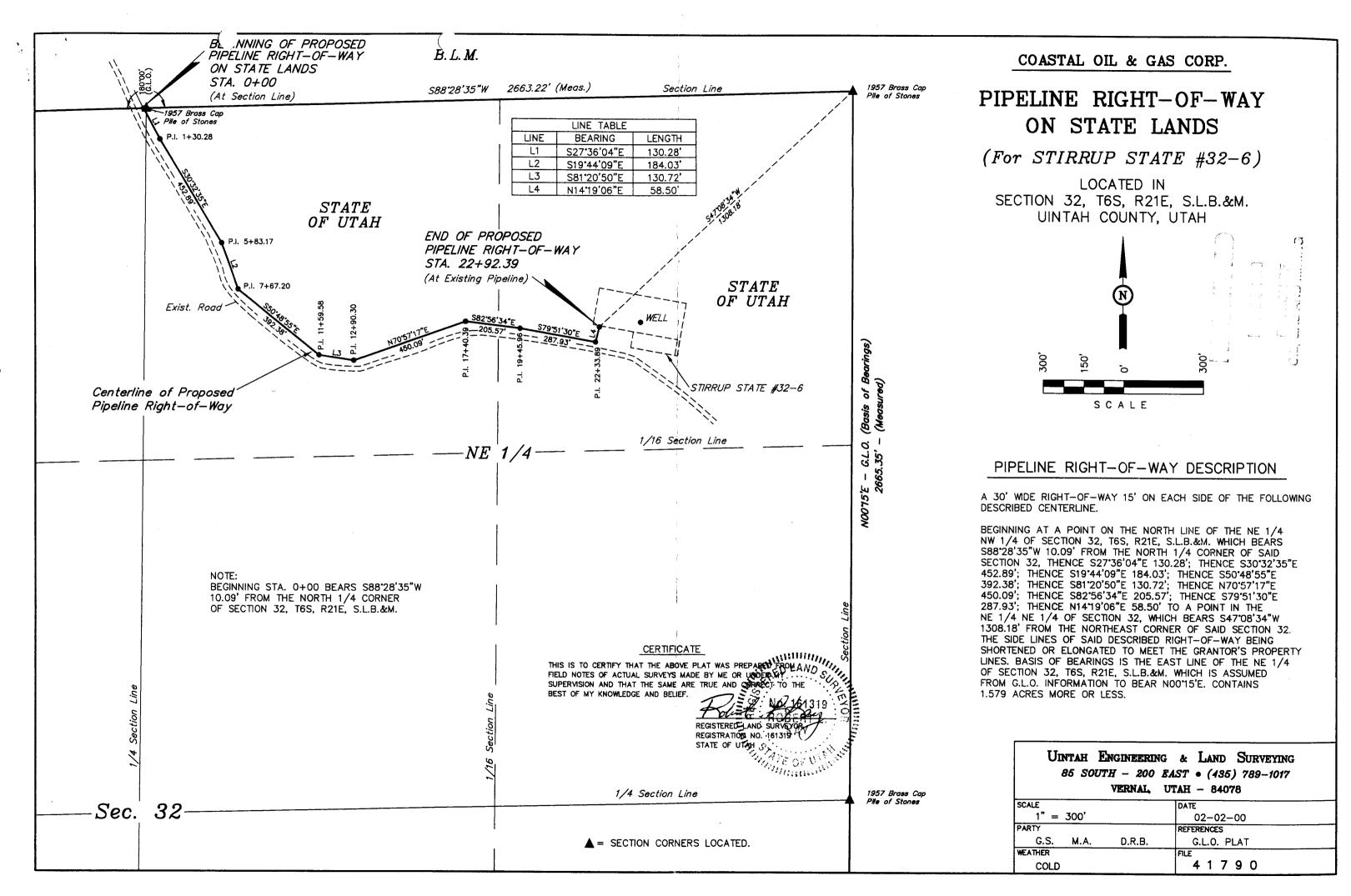
testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Coastal Oil & Gas Corporation requests authorization to run a 4" (Buried) Poly Pipeline approximately 1350' running Southeasterly from the Stirrup Federal #29-2, Sec.29, T6S, R21E to the Stirrup State #32-6. Sec.32, T6S, R21E, in order to supply water for the #32-6 water flood well.

A 30' ROW is requested w/an additional 30' of working surface to be re-seeded and restored per Government Specifications.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Cheryl Cameron	Title Environmental Analyst			
Chul Camer	Date 3/13/00			
THIS SPACE FOR FEDERAL OR STATE OFFICE USE				
Approved by	Title	Date		
Conditions of approval, if any, are attached. Approval of this notice does not warran certify that the applicant holds legal or equitable title to those rights in the subject leaching which would entitle the applicant to conduct operations thereon.	t or Office	ļ		

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Division of Oil, G	as and Mining	(•	ROUTING:	
		`		1-GLH	4-KAS
OPERATOR CH	ANGE WORKSHEET			2-QDW	54870
Check each listed item	when completed. Write N/A if item is not a	applicable.		3-JLT	6-FILE
X Change of Op	erator (Well Sold)	☐ Designation of Agent			1
☐ Operator Name	e Change Only	Merger			
The operator of the	e well(s) listed below has changed	l, effective: <u>9-1-99</u>			
TO:(New Operato Address:	Phone: 1-(435) 781-7023 Account No. N0230	FROM:(Old Operator) Address:	1625 DEN	TA FE SNYDE Broadway, Su NVER, CO 802 e: 1-(303)-59 unt No. N	ite 2200 02 2-8668
WELL(S):	CA No or	r Unit		,	
Name:	API: API: API: API: API:	Entity: S T Entity: S T Entity: S T Entity: S T Entity: S T	R R R	Lease: Lease: Lease: Lease:	
OPERATOR CH	ANGE DOCUMENTATION				
•	pending operator change file has be	en set up? mentation has been received from the	FORM	IER operator	on 9-2-99
,	, •			•	
YES 4. The oper					
	eral and Indian Lease Wells. The BL s listed above involving Federal or India	M or the BIA has approved the merger, an leases on	name c	hange or opera	tor change for all
	eral and Indian Units. The BLM or the lving unit operations on	ne BIA has approved the successor of uni	it opera	tor for all wells	listed above
	eral and Indian Communitization Agreed to the CA on the	reements ("CA"). The BLM or the BIA	A has ap	proved the ope	rator change for
	·	-OVER-			

<u>YES</u> 8.	Underground Injection Compol ("UIC") Program. The Division has appropriate UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above.
<u>YES</u> 9.	Changes have been entered in the Oil and Gas Information System for each well listed on
<u>YES</u> 10.	Changes have been included on the Monthly Operator Change letter on 4-21-00
STATE BO	OND VERIFICATION
YES 1.	State Well(s) covered by Bond No. <u>U2644534</u>
FEE WELI	LS - BOND VERIFICATION / LEASE INTEREST OWNER NOTIFICATION
<u>N/A</u> 1.	(R649-3-1) The NEW operator of any fee lease well(s) listed above has furnished a proper bond.
<u>YES</u> 2.	A copy of this form has been placed in the new and former operator's bond files on 4-21-00.
<u>N/A</u> 3.	The FORMER operator has requested a release of liability from their bond as of todays date? If yes, Division response was made to this request by letter dated (see bond file).
<u>N/A</u> 4.	(R649-2-10) The Former operator of any Fee lease wells listed above has been contacted and informed by letter dated, of their responsibility to notify all interest owners of this change.
FILMING	
1.	All attachments to this form have been microfilmed on APR. 2 4 2001.
FILING	
1.	Originals/Copies of all attachments pertaining to each individual well have been filed in each well file.
2.	The original of this form has been filed in the operator file and a copy in the old operator file.
COMMEN	TS
-	

-	

COPY

Mechanical Integrity Test Casing or Annulus Pressure Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466

PA Witness: Ref Edwards / Kennet Null. Date 7/25/200 Time 9:04 am pa

ers present:	Well ID: 32-6 4	3-047-32784
rell: Shakup State Field: Hokse shoe Bend Well Location: sec 32 7.65 f.21 E	Company: Coastal	
Time Test #1	Test #2 Te	est #3 psig
10 1660 15 1640		
20		
40 45 50 55 60 min 16 30 16 30 16 30		
Tubing press /300 psig	psig	psig
Result (circle) Pass Fail	Pass Fail Pa	ss Fail liance follow



STIMULATION TREATMENT REPORT

	, <u> </u>				·					Page 1
ate 25-JUL-	00	District Ven	nai	F	Receipt 212	2310027	_ Customer_	Coastal	Oil & Gas	Corp
ase STIRRU	P STATE 32-6	Well Name S	TIRRUP ST	ATE 32-6 Fie	id HORS	ESHOE BEND	Location	SEC.32 T	.6S R.21E	
ounty Uintah		State Utah		_	tage No	1	Weil API			· · · · · · · · · · · · · · · · · · ·
WELL DATA			Well Cla		5	Depth TD/P8	3: 0	Forma	ition:	
Geometry Type			Weight	ID Gra	ide Top	Bottom		Perf in	ntervals	
TUBULAR	csg	5.5	17	4.892 J-	55 0	5000	Top	Bottom	SPF	Diameter
			•	_	_		0	O	0	0
Packer Type		Packer De	epth <u> </u>	F	<u> </u>		·····	k termisk	IQUID PUN	MPED AND
REATMENT I			\	ala) Bri	op. Description	Volum	e Pumped(Lbs	c		S IN BBLS.
Fluid Type	Fluid Des	c Pump	ed Volume(Ga		PROPPANT	40(dille	s i diliped(LDG		Cap	0
TREATMENT FLUI	D H2O		54	1 140		Total Prop Qty:				0
						, Juli 1 10 M City.				0
								1		0
										2
									olume	
Previous Treat	ment	N/A	Pr	revious Produ	uction	N/A			ng Fluid	
	/ithH2O		eat Via: Tubin	ig Casi	ng XAnul.	Tubing & /	Anul.		-	0
	0In		ages Type					-	ush	0
Auxiliary Materi					*****			1	o Recover	- · ·
							a meriodici de la composito de la composito de la composito de la composito de la composito de la composito de	11100	U 1\ecover_	
						ARY				ingurgur milk.
Time AM/PM	Treating Pre	ssure-Psi	Surface BBLS. F		Slurry Rate BPM		Cor	nments		
	STP	Annulus	Stage	Total						
08:46	0	2100	0			PRESSURE START PRE				
08:58	0	0	0						EVERY 5	MIN
<u>09:04</u> 09:09	0	1700 1680	0				I, IVAI OITT			
09:14	0	1660	0		0	10 MIN				
09:19	0	1640	0			15 MIN				
09:24	0	1640	0			20 MIN		-		
09:30	0	1630	0			25 MIN 30 MIN				
<u>09:35</u> 09:40	0	1630 1630	0			35 MIN				
09:45	0	1630	0			40 MIN				
09:50	0	1630	0	c) 0	45 MIN				
09:55	0	1630	0			50 MIN				
10:00	0	1630	0			55 MIN 60 MIN				
10:05	0	1630 0	0			TEST DONE	TESTED OF			
10:10	0	0	0			THANKS RE				
Treating Pres	ssure	Injection	on Rates	S	hut in Pressu	res	Cı	storner R	ep.	Kinney
Minimum	1700		ng Fluid	.5	SDP	0	BJ	Rep.	Rex	c Edwards
Maximum	1700	Flush	0		Min.	0	Jo	b Number	2:	12310027
					O Min.	0		c. ID No.		
Average		1 AVeran								
Average	w Oroccur	Averag						stribution		
Average Operators Ma	x. Pressure	Averag		1	5 Min. inal 1630	0				



STIMULATION TREATMENT REPORT

Page 1

						040007	<u> </u>			0100	- raye i
ate 25-JUL-		District Ver				310027	Custon			Oil & Gas	
ase_STIRRUI	STATE 32-6	Well Name S	TIRRUP STA	TE 32-6 Fie	d HORSE	SHOE BEND	_ Location	<u>SE</u>	.C.32 T.	6S R.21E	
ounty Uintah		State <u>Utah</u>			age No	1	Well AP	I			
WELL DATA	Well Type:	OLD	Well Clas	s: GAS		Depth TD/P	B: (2	Format	tion:	
Geometry Type			Weight	D Gra	de Top	Bottom			Perf in	tervals	
UBULAR	CSG	5.5	_	.892 J.4	5 5 0	5000	Top	р В	ottom	SPF	Diameter
	•							0	0	0	0
acker Type		Packer De	pth <u>0</u>	F							
REATMENT (DATA										APED AND S IN BBLS.
luid Type	Fluid Desc	Pumpe	ed Volume(Ga		p. Description	Volum	e Pumpe		re Alaysia Ti		
REATMENT FLUI) H2O		84	NO	PROPPANT			0	-	Cap	
					•	Total Prop Qty:		0		Cap	
								}		Cap	
								1			<u> </u>
								-		Load	
		A1/A	Des	mioue Brodu	ction	N/A		ł		lume	
		N/A	at Via: Tubing			Tubing &	Anul	_		g Fluid	
	/ithH2O			-	-	asing a	, 17 1 12 16 1	└	_		0
	OIn_		ages type							sh	0
Auxiliary Mater	als							-	Fluid to	Recover_	2
				PROCE	DURE SUMMA	VRY					
Time AM/PM	Treating Pres	ssure-Psi	Surface BBLS. P		Slurry Rate BPM			Comm	ents		
	STP	Annulus	Stage	Total		<u> </u>				<u></u>	
08:46	0	2100	_0	0	0	PRESSURE	TEST PL	MP & L	INES		
08:58	0	0	0	0	5	START PRE					
09:04	0	1700	0	2			N. WATC	H PRES	SURE	EVERY 5	MIN
09:09	0	1680	0	0		5 MIN 10 MIN					
<u>09:14</u>	0	1660 1640	0	0		15 MIN					
<u>09:19</u> 09:24	0	1640	0	0		20 MIN					
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09:50 09:55	0	1630 1630	0								
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								C.,	omer Ro		Kinney
Treating Pre			on Rates		hut in Pressur			BJ Re			
Minimum	1700		ng Fluid		DP	0					Edwards
Maximum	1700	Flush	0		Min.	0		_	lumber	2	12310027
Average		Averag	e .5		Min.	0			ID No.		
Operators Ma	x. Pressure				5 Min.	0		Distri	bution		
							4.	1			
	1700				inal 1630 lush Dens. lb./ç		/lin.				

FIELD RECEIPT NO. 212310027

BJ Services Company



CUSTOMER (COI						CREDIT APPROV	AL NO.	PURCHASE ORDE	R NO.		MER NUMBER 3 - 00253963		IVOICE NUMBEI	R
Coastal Oil & Ga MAIL INVOICE TO:	is corp			STI	REET OR BOX NU	JMBER			CITY Vernal		STATE Utah	2IP CODE 84078		
DATE WORK COMPLETED	MO. 07	DAY 25	YEAR	BJ SER\	ICES SUPERVIS			and the same of th	WELL TY Old Well	YPE:				
BJ SERVICES		L	1200	, ton Ear			JOB DEPTH (f	t) O	WELL C	LASS:				
Vernal WELL NAME A							TD WELL DEF		GAS US No Gas	ED ON JOB				
WELL	TE 32-6	LE		CRIPTION	<u> </u>	COUNTY/PA	RISH	STATE Ulah		PE CODE : m - Misc				
PRODUCT CODE		SE	32 I.6.	S R.21E	DESCRIPTION	J. I. I.		UNIT OF MEASURE		ANTITY	LIST PRICE UNIT	GROSS AMOUNT	PERCENT DISC.	NET AMOUNT
				<u> </u>				4hrs		<u>1</u>	990.000	990.0		643.50
F701		Pump,	0 - 25					job		1	900.000	900.0		585.00
J227				d, Standa				miles		50	3.800	190.0		123.50
J390			vy Vehic	p or Trea	ling Van			miles		50	2.300	115.		74.75
J391	Milea	ge, Auto), MCK-U	ip or i rea	ung van	SUB-TOTAL	FOR Equipment					2,195.	00 35%	1,426.75
						C	ELD ESTIMATE					2,195.	00 35%	1,426.75
ARRIVE	MO.	DAY		TIME	SERVICE OR	DER: I AUTHORI	ZE WORK TO B	EGIN PER SERVIC		SERVICE RE	CEIPT: I CERTIFY 1	IHAT THE MATER PERFORMED IN A	IALS AND SERV WORKMANLIKI	ICES LISTED WER E MANNER.
LOCATION:	07 P.	25	2000	07:45	PRINTED ON	IS IN ACCORDA THE LAST PAGI RITY TO ACCEI	E OF THIS FORM	TERMS AND CON MAND REPRESEN HIS ORDER.	Dillone		MER AUTHORIZED			
Kinney SEE LAST		E FOR	GENE	RAL		SUSTOMER AUT					RVICES APPROVED			
TERM	S AND	CON	NOITIC	S	C	US I UMER AU I	HURILEU AGEI	11						

BJ Services CONDITIONS OF CONTRACT

Effective 08/19/96

CUSTOMER AND BJ SERVICES AGREE THAT THE SERVICES DESCRIBED ON THE FACE OF THIS SERVICE CRDER AND FIELD RECEIPT ARE TO BE PERFORMED SUBJECT TO AND IN CONSIDERATION OF THE FOLLOWING TERMS AND CONDITIONS:

- CUSTONER. For the purpose of this contract, the term Customer shall include agents, subsidiaries, joint venturers and partners of customers.
- WELL CONDITION. Customer warrants that the well described on the face of this service order and field receipt is in proper condition to receive the products, supplies, materials, and services described herein.
- 3. INDEPENDENT CONTRACTOR. BJ Services is and shall be an independent contractor with respect to the performance of this contract and neitner BJ Services nor anyone employed by BJ Services shall be the agent, representative, employee or servant of Customer in the performance of this contract or any part hereof.
- 4. PRICE. Customer agrees to pay BJ Services for the products, supplies, materials, and services described herein in accordance with 3J Services' current price list. In the event that BJ Services has agreed to charge Customer other than as set forth in such price list, the charges agreed upon by Customer and EJ Services shall be those set forth on the face of this service order and field receipt and the agreement of Customer thereto shall be conclusively established by its execution of the receipt set forth on the face of this service order and field receipt.
- TERMS. Cash in advance unless BJ Services has approved credit prior to the sale. Credit terms for approved accounts are stall invoice amount due on or before the 30th day from the date of the invoice at the address set forth therein. Fast due accounts shall pay interest on the balance due at the rate of 1½% per month or the maximum allowable under applicable state law if such law limits interest to a lesser amount. In the event it is necessary to employ a third party to effect collection of said account, Customer agrees to pay all fees of such third party directly or indirectly nourred for such collection.
- TAXES. Customer agrees to pay all paxes based on or measured by the charges set forth on the face of this service order and field receipt.
- 7. AMENDMENTS AND MODIFICATIONS. No field employee of BJ Services shall be empowered to after the terms and conditions of this contract and BJ Services shall not be bound by any changes or modifications in this contract unless made in writing by a duly authorized executive officer of BJ Services. By recquesting the goods and services set forth herein, Customer agrees to all the terms and conditions contained on both sides of this service order and field receipt, which constitutes the entire agreement between the parties unless Customer and EJ Services have entered into a master service agreement or master work contract applicable to the services performed and products, supplies and materials furnished by BJ Services hereunder, in which event any term or provision of this service order and field receipt in conflict with the provisions thereof shall be deemed invalid to such extent. Subject only to the preceding sentence BJ Services hereby objects to any term of any purchase order, delivery ticket or receipt or other document that varies from or conflicts with the terms of this contract.
- 8. SEVERABILITY. It is understood and agreed by Customer and BJ Services that any term or provision of this contract prohibited by law shall be deemed invalid to the extent of such prohibition and shall be modified to the extent necessary to conform to such rule of law. Any term or provision of this contract riot deemed invalid and modified pursuant to the preceding sentence shall remain in full force and effect without regard to such invalidity and modification.
- 9. LIMITED WARRANTY. BJ SERVICES WARRANTS ONLY TITLE TO FRODUCTS, SUPPLIES AND MATERIALS FURNISHED PURSUANT TO THIS CONTRACT AND THAT THE SAME WILL CONFORM TO THE DESCRIPTION SPECIFIED HEREIN AND ARE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE NAMEDIATELY PRECEDING SENTENCE. BJ SERVICES' LIABILITY AND CUSTOMERS EXCLUSIVE REMEDY IN ANY CAUSE OF ACTION (WHETHER IN CONTRACT, TORT, BREACH OR WARRANTY OR OTHERWISE) ARISING OUT OF THE SALE OR USE OF ANY PRODUCTS, SUPPLIES OR MATERIALS IS EXPRESSLY LIMITED TO THE REPLACEMENT OF SUCH PRODUCTS, SUPPLIES OR MATERIALS OR, AT BU SERVICES' OPTION, TO THE ALLOWANCE TO THE CUSTOMER OF CREDIT FOR THE COST OF SUCH ITEMS. BJ SERVICES MAKES NO WARRANTIES FOR ANY EQUIPMENT, MATERIALS OR PRODUCTS MANUFACTURED BY THIRD PARTIES, BUT WILL PASS ON TO CUSTOMER ALL WARRANTIES OF THE MANUFACTURERS OF SUCH EQUIPMENT, MATERIALS OR PRODUCTS. BJ SERVICES IS UNABLE TO, AND DOES NOT, GUARANTEE THE ACCURACY OF ANY JOB RECOMMENDATION, RESEARCH ANALYSIS, DATA INTERPRETATION, OR OTHER INFORMATION FURNISHED TO CUSTOMER BY BJ SERVICES IN VIEW OF THE UNCERTAINTY OF WELL CONDITIONS AND THE RELIANCE BY BJ SERVICES AND CUSTOMER UPON INFORMATION AND SERVICES FURNISHED BY THIRD PARTIES. THEREFORE, NO WARRANTY EXPRESS OR IMPLIED IS GIVEN CONCERNING THE EFFECTIVENESS OF THE PRODUCTS. SUPPLIES OR MATERIALS USED, RECOMMENDATIONS GIVEN, OR SERVICES PERFORMED BY BJ SERVICES. CUSTOMER AGREES THAT BJ SERVICES SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES ARISING FROM THE USE OF DATA FURNISHED BY BJ SERVICES. CUSTOMER ACCEPTS FULL RESPONSIBILITY FOR RETURNING THE WELL DESCRIBED ON THE FACE OF THIS SERVICE ORDER AND FIELD RECEIPT TO PRODUCTION. BJ SERVICES DOES NOT GUARANTEE THE EFFECTIVENESS OF THE PRODUCTS, SUPPLIES OR MATERIALS FURNISHED PURSUANT TO THIS CONTRACT NOR THE RESULTS OF ANY TREATMENT OR SERVICE IT PERFORMS HEREUNDER.
- •0. FORCE MAJEURE. Any delays or failure by BJ Services in the performance of this contract shall be excused if and to the extent caused by war, fire, fixed, strike or other labor trouble, accident, riot, acts of God, or any other cause beyond the reasonable control of BJ Services.
- 1. CHEMICAL DISPOSAL. Customer agrees that all chemicals used in performance of this contract which are not removed from the location of the well by BJ Services shall be disposed of by Customer in accordance with all applicable federal, state and build laws and regulations.

- 12. LIABILITY AND MIDEMNITY OBLIGATIONS. (A) BJ SERVICES SHALL PROTECT, DEFEND, INDEMNIFY, HOLD HARMLESS AND RELEASE CUSTOMER, ITS PARENT, SUBSIDIARY AND APPILIATED COMPANES AND ITS AND THEIR OPPICERS, DIRECTORS AND EMPLOYEES ("CUSTOMER GROUP") FROM AND AGAINST ALL CLAMS, DIMANDS, LOSSES, LIABILITIES, PEHALTIES, COSTE, EXPENSES (INCLUDING REAPONABLE ATTORNEYS' FEES) AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER (COLLECTIVELY, "CLAMS") ARISING IN FAVOR OF (I) BJ SERVICES' EMPLOYEES OR THE EMPLOYEES OF BJ SERVICES' SUBCONTRACTORS ON ACCOUNT OF BODILY INJURY, DEATH OR DAMAGE TO PROPERTY OR (II) BJ SERVICES ON ACCOUNT OF DAMAGE TO BJ SERVICES' PROPERTY, EXCEPT AS OTHERWISE PROVIDED BELOW, INCLUDING, IN EACH CASE, CLARIS CAUSED BY THE SOLE, JOINT AND/OR COMPARATIVE NEGLIGIENCE, STRICT LIABILITY OR OTHER FAULT OF CUSTOMER GROUP.
 - (B) CUSTOMER SHALL PROTECT. DEPEND, INDEMNIFY, AND HOLD HARMLESS AND RELEASE BJ SERVICES, ITS PARENT, SUBSIDIARY AND AFFILIATED COMPANIES AND ITS AND THEIR OFFICERS, DIRECTORS AND EMPLOYEES ("BJ SERVICES GROUP") FROM AND AGARIST ALL CLAMIS ARISHO IN FAVOR OF (J) CUSTOMER'S EMPLOYEES OR THE EMPLOYEES OF CUSTOMER'S OTHER CONTRACTORS OR THEIR SUBCONTRACTORS ON ACCOUNT OF BODILY INJURY, DEATH OR DAMAGE TO PROPERTY, OR (II) CUSTOMER ON ACCOUNT OF LOSS OR DAMAGE TO CUSTOMER'S PROPERTY, EXCEPT AS OTHERWISE PROVIDED BELOW, INCLUDING, IN EACH CASE, CLAMIS CAUSED BY THE SOLE, JOINT AND/OR COMPARATIVE NEGLIGENCE, STRIOT LIABILITY OR OTHER FAULT OF BJ SERVICES GROUP.
 - (C) CUSTOMER SHALL PROTECT, DEPEND, INDEMNEY, HOLD HARMLESS AND RELEASE BJ SERVICES GROUP FROM AND AGAINST ANY CLAMS FOR POLLUTION OR CONTAMMATION, INCLUDING THE CLEANUP OR REMOVAL THEREOF ARISING OUT OF OR CONNECTED WITH THE PERFORMANCE BY BJ SERVICES OF SERVICES FOR THE CUSTOMER (AND NOT ASSUMED BY BJ SERVICES IN THE POLLOWING SENTENCE; INCLUDING BUT NOT LIMITED TO CLAIMS THAT MAY RESULT FROM WELL FIRE, BLOWOUT, CRATERING, SEEPAGE OR ANY OTHER UNCONTROLLABLE FLOW OF OIL, GAS, WATER OR OTHER SUBSTANCES, INCLUDING CLAMIS CAUSED BY THE SOLE, JOINT AND/OR COMPARATIVE NEGLIGENCE, STRICT LIABILITY OR OTHER FAULT OF BJ SERVICES GROUP. BJ SERVICES SHALL PROTECT, DEFEND, INDEXNRY, HOLD HARMLESS CUSTOMER GROUP FROM AND AGAINST ANY CLAMS FOR POLLUTION OR CONTAMINATION, INCLUDING THE REMOVAL THEREOF, ORIGINATING ABOVE THE SURFACE OF THE EARTH PROM SPILLS, LEAKS OR DISCHARGES OF PUELS, LUBRICANTS, MOTOR OILS, PIPE DOPE, PAINT, SOLVENTS, SLUDGE OR GARBAGE IN THE POSSESSION AND CONTROL OF BJ SERVICES AND ASSOCIATED WITH CONTRACTORS' EQUIPMENT AND FACILITIES, EXCEPTING ANY POLLUTION IN RESERVE PITS FROM FLOWBACK INCIDENT TO BJ. SERVICES' OPERATIONS.
 - (D) CUSTOMER SHALL PROTECT, DEFEND, INDEMNIFY, HOLD HARMLESS AND RELEASE BJ RERVICES GROUP FROM AND AGAINST ANY AND ALL CLAMS ARBING IN FAVOR OF CUSTOMER OR ANY THIRD PARTY INCLUDING, BUT NOT LIMITED TO, ANY GOVERNMENTAL ENTITY OR PARTY FOR WHOM CUSTOMER IS ACTING (INCLUDING CUSTOMER'S CO-WORKING INTEREST OWNERS) FOR ALL DAMAGES OR LOSSES RESULTING FROM PRODUCTS, SERVICES OR EQUIPMENT PROVIDED BY BJ SERVICES ON ACCOUNT OF (I) LOSS OF THE HOLE, (II) DAMAGE OR INJURY TO ANY DOWNHOLE PROPERTY OR ANY PROPERTY RIGHT IN OR TO DIL, GAS OR OTHER SUBSTANCES OR WATER (III) LOSS OR DAMAGE TO, OR CONTAMINATION OF, ANY PORMATIONS, STRATA OR RESERVORS BENEATH THE EARTH'S SURFACE, (IV) SUBSURFACE TRESPASS OR (V) ANY OTHER SIMILAR LOSSES OR DAMAGES, AND WITHOUT REGARD TO THE NEGLIGENCE OF ANY PARTY OR PARTIES, INCLUDING, IN EACH CASE, CLAMB CAUSED BY THE SOLE JOINT AND/OR COMPARATIVE NEGLIGENCE, STRICT LIABLITY OR OTHER PAULT OF BJ SERVICES GROUP.
 - (E) CUSTOMER WR.L. ASSUME LIABILITY FOR BJ SERVICES' EQUIPMENT WHICH MAY BE LOST OR DAMAGED IN THE HOLE, REGARDLESS OF ANY NEGLIGENCE OF ANY PARTY, AND WILL AT ITS OWN EXPENSE AND REIK ATTEMPT TO RECOVER SUCH EQUIPMENT. THE VALUE OF ANY UNRECOVERABLE, LOST OR DAMAGED EQUIPMENT SHALL BE REMBURSED BY CUSTOMER AT THE FAIR MARKET VALUE ON THE DATE OF LOSS OF COST.
 - (F) BJ SERVICES AND CUSTOMER AGREE TO SUPPORT THEIR INDEMNITY OBLIGATIONS HEREM BY FURNISHING LIABILITY INSURANCE COVERAGE OR QUALIFIED SELF RISURANCE IN AN AMOUNT OF NO LESS THAN \$2,000,000. HOWEVER BJ SERVICES AND CUSTOMER AGREE AND INTEND THAT, TO THE PULLEST EXTENT ALLOWED FROM TIME TO THME BY APPLICABLE LAW, THEIR RESPECTIVE INDEMNITIES UNDER THESE TERMS AND CONDITIONS ARE TO APPLY WITHOUT LIMIT, AND ARE NOT TO BE LIMITED TO THE AMOUNT OF INSURANCE EITHER OF THEM MAY FROM TIME TO TIME MAINTAIN OR AGREE TO MAINTAIN. IF IT SHOULD BE DETERMINED THAT THE INDEMNITY OBLIGATIONS ASSUMED HEREUNDER THAT ARE TO BE SUPPORTED EITHER BY INSURANCE OR SELF INSURANCE EXCEEDS THAT WHICH IS PERMITTED UNDER APPLICABLE LAW, THEN SUCH LAW.
- 13. CONFIDENTIAL INFORMATION. Customer and BJ Services will use their best efforts to maintain the confidentiality of all records and proprietary information obtained by either party in the performance of any services by BJ Services. Such information will not be discussed by either party to its employees unless it is necessary in order to perform or evaluate such services, or to any third parties without the prior consent of the other party.
- 4. WAIVER. (A) Neither BJ Services nor Customer will be liable to the other for special, incidental, indirect or consequential damages resulting from or arising out of the products or equipment provided or the services performed by BJ Services hereunder, including but not limited to, loss of profit or revenue or business interruption losses, whether or not enising under an alleged breach of warranty or caused by the sole, joint and/or comparative negligence, strict liability or other fault of either party.
- (B) Customer represents that it is a business consumer purchasing products and services from BJ Services for commercial use, that it has experience in business matters that enable it to evaluate the merits and risks of the purchase of such products and services, and that it is not in a significantly disparate bargaining position. Customer waives the provisions of the Texas Deceptive Trade Practices Act (other than section 17), as from time to time amended
- 15. GOVERNING LAW. This contract shall be governed by the law of the State of Texas.

43-047-32784

43-041-36 65 218 32 RJ SERVICES COMPANY

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CO NAME: CUASTAL

CO REP: KEN

WOLL NAME: STATE 32 6

OB DES CASES TES

Mark . Signing.

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COMMO 1981

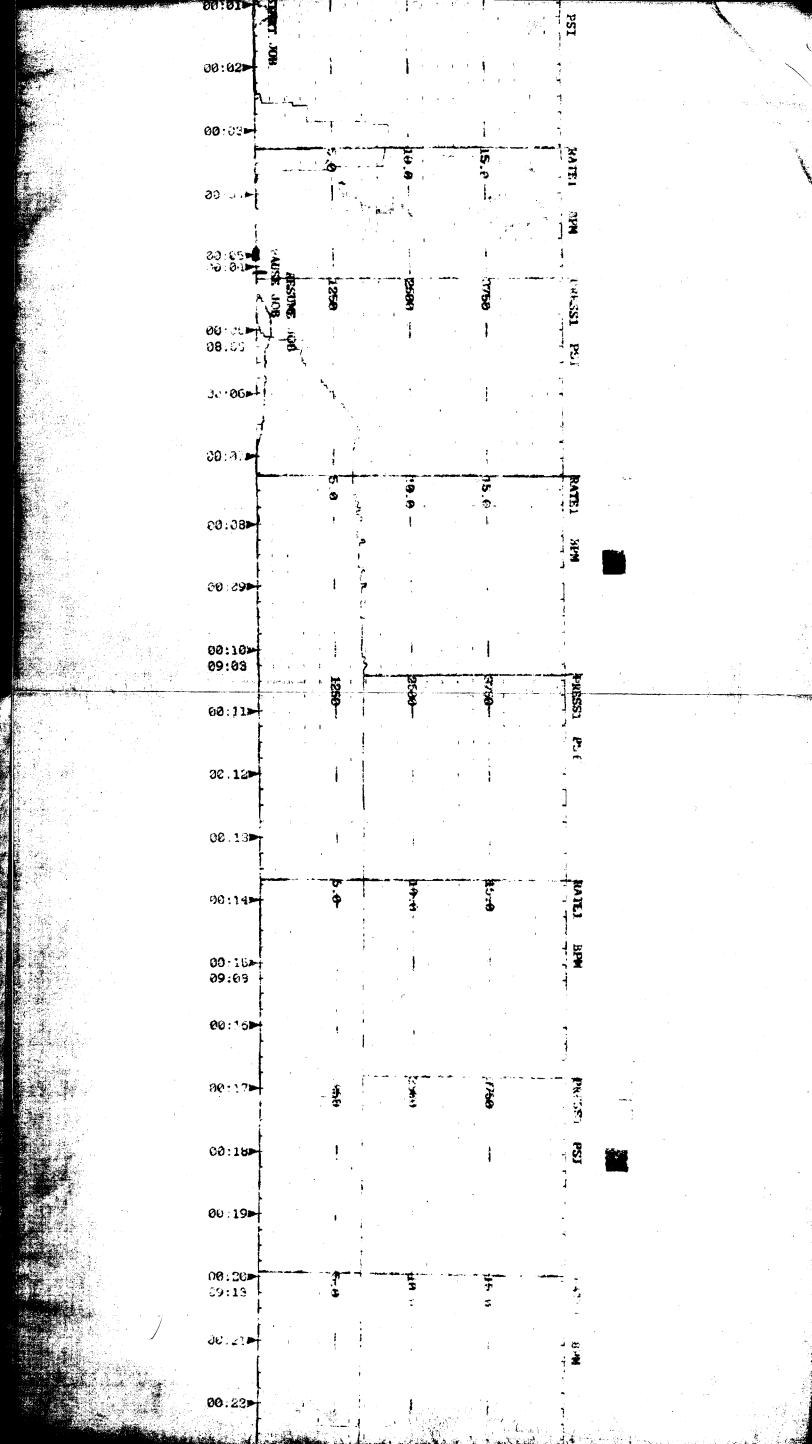
9-6-70

65 1, 10

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUT	THORITY TO INJECT	•
Well Name and Number		API Number
EXHIBIT "A"		
Location of Well		Field or Unit Name
Footage:	County:	Lease Designation and Number
QQ, Section, Township, Range:	State: UTAH	

EFFECTIVE DATE OF TRANSFER: __03-09-01

CURRENT OPERATOR	
Company: <u>Coastal Oil & Gas Corporation</u>	Name: John T. Elzner
Address: 1368 South 1200 East	Signature:
city Vernal state UT zip 84078	Title: Vice President
Phone: 435-789-4433	Date: 06-15-01
Comments: As a result of the merger between subsidary of El Paso Energy Corporation, th been changed to El Paso Production Oil & Ga See EXHI	e name of Coastal Oil & Gas Corporation has some company effective March 9, 2001.

NEW OPERA	TOR	
_	The Design Control of the Control of	Name: John Z. Elzner
Company:	El Paso Production Oil & Gas Company	Name: Name:
Address:	1368 South 1200 East	Signature:
	city Vernal state UT zip 84078	Title: Vice President
Phone:	435-789-4433	Date: 06-15-01
Comments	: NAME CHANGE	
		·
	Bond Number	er 400JU0708

(This space for State use only)

Transfer approved by: St. Chember Title: Tech. Services Managea

Comments: Exhibit A AS revised.

Approval Date: 6-21-01

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JUN 19 2001

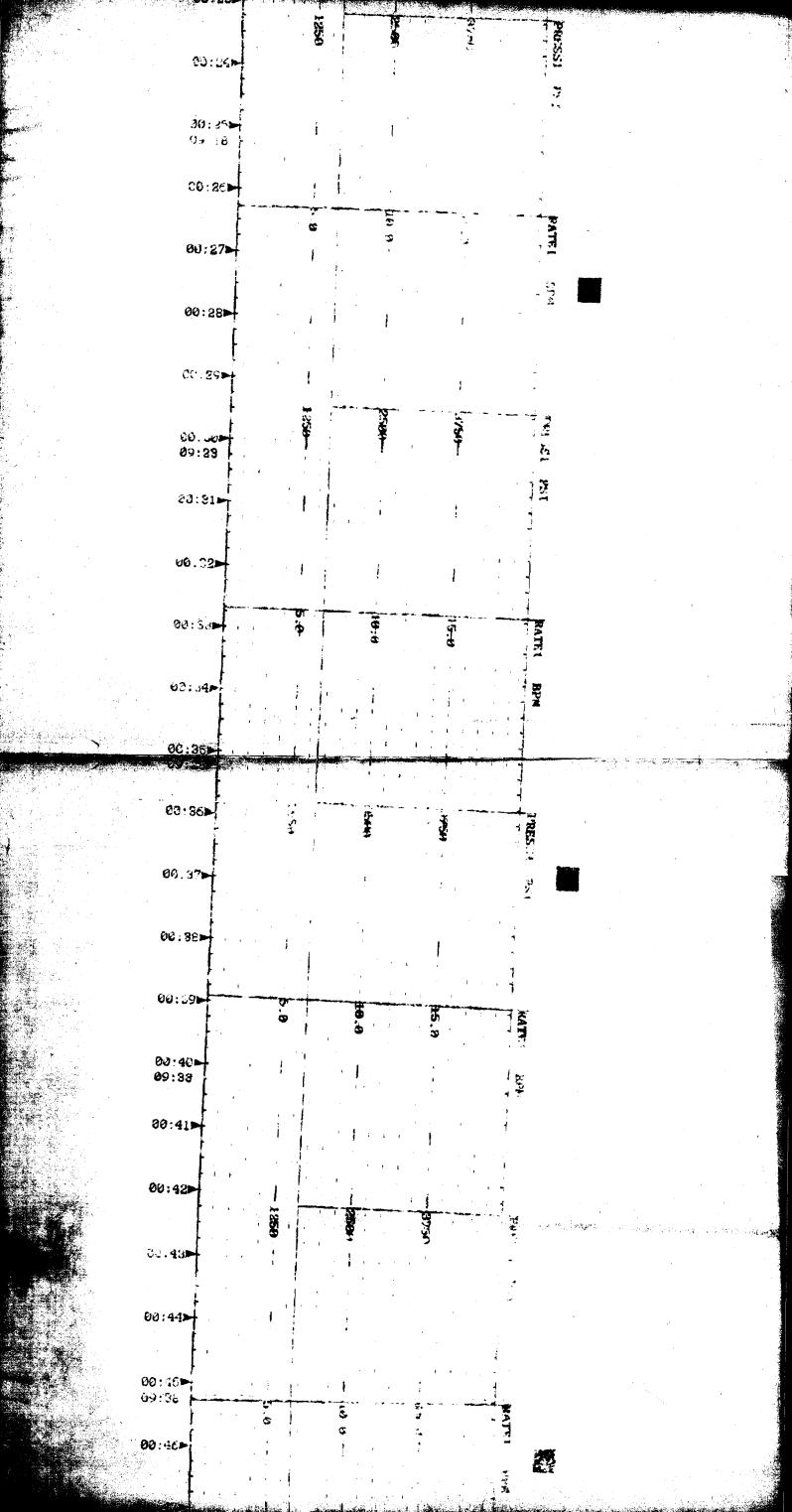
DIVISION OF OIL, GAS AND MINING

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:			
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER:			
2. NAME OF OPERATOR:	Exhibit "A" 9. APINUMBER:			
El Paso Production Oil & Gas Company				
3. ADDRESS OF OPERATOR: PHONE NUMBER: 368 South 1200 East City Vernal STATE Utah zip 84078 435-789-4433	10. FIELD AND POOL, OR WILDCAT:			
4. LOCATION OF WELL FOOTAGES AT SURFACE:	COUNTY:			
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA			
TYPE OF SUBMISSION TYPE OF ACTION				
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION			
(Submit in Duplicate)	SIDETRACK TO REPAIR WELL			
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON			
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR			
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE			
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL			
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESIUME) PRODUCTION (START/RESIUME)	WATER SHUT-OFF			
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL.SITE CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	X отнея: Name Change			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume				
As a result of the merger between The Coastal Corporation and	a wholly owned			
subsidary of El Paso Energy Corporation, the name of Coastal C	0i1 & Gas Corporation			
has been changed to El Paso Production Oil & Gas Company effec	etive March 9, 2001.			
See Exhibit "A"				
Bond # 400JU0708				
Coastal Oil & Gas Corporation NAME (PLEASE PRINT) John T Elzner TITLE Vice Presiden	ent			
SIGNATURE DATE DIG-15-01				
El Paso Production Oil & Gas Company NAME (PLEASE PRIM) John T Elzner TITLE Vice President	ent			
SIGNATURE DATE 06-15-01				
(This space for State use only)	had her by him to Added here			

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JUN 19 2001



00:48≥ 60:49**≥** 89:43 80 by w 80 78% Ø₽: € 3 06:11 A 00:55> 260.5% **30:58**► EVENT SUNKARY TIME **DESCRIPTION** 08:43:58 START JOB 08:47:56 PAUSE JOB **02:58:07** RESUME JOB 10:07:50 E CID JOE END OF JOE TOTALS

TOTAL CHANNEL TOTAL

STG TOT 2

JOB TOT 2

END OF JOB ----

		EXHIBIT "A"			
NAME C	CHANGE FROM COASTAL O	IL & GAS CORPORATION TO EL PASO PRODUCT	TION OIL & GAS	COMPANY	
API Well No.	Well Name	Well Status	Well Type	Location(T-R)	Section
43-013-30361-00-00	ALLRED 2-16A3	Active Well	Water Disposal	1S-3W	16
43-013-30370-00-00	UTE TRIBAL 1-25A3	Producing Well	Oil Well	1S-3W	25
43-0 13-30362-00-00	BIRCH 2-35A5	Active Well	Water Disposal	1S-5W	35
43-013- 30337-00-00	G HANSON 2-4B3 SWD	Active Well	Water Disposal	2S-3W	4
43-013 -30038-00-00	LAKE FORK 2-23B4	Active Well	Water Disposal	2S-4W	23
43-013- 30371-00-00	LINDSAY RUSSELL 2-32B4	Active Well	Water Disposal	2S-4W	32
43-013-30121-00-00	TEW 1-9B5	Active Well	Water Disposal	2S-5W	9
43- 013-30391-00-00	EHRICH 2-11B5	Active Well	Water Disposal	2S-5W	11
43-0 13-30340-00-00	LDS CHURCH 2-27B5	Active Well	Water Disposal	2S-5W	27
43-013-30289-00-00	RHOADES MOON 1-36B5	Shut_In	Oil Well	2S-5W	36
43-013-30056-00-00	UTE 1-14C6	Active Well	Water Disposal	3S-6W	14
43-047 -33597-00-00	NBU SWD 2-16	Spudded (Drilling commenced: Not yet completed)	Water Disposal	10S-21E	16
43-047-32344-00-00	NBU 205	Shut_In	Gas Well	10S-22E	9
43-047-15880-00-00	SOUTHMAN CANYON U 3	Active Well	Water Disposal	10S-23E	15
43-047-31822-00-00	UTE 26-1		Water Disposal	4S-1E	26
43-047-32784-00-00	STIRRUP STATE 32-6	Active Well	Water Injection	6S-21E	32
43-047- 30359-00-00	NBU 21-20B	Active Well	Water Disposal	9S-20E	20
43-047- 33449-00-00	OURAY SWD 1	Approved permit (APD); not yet spudded	Water Disposal	9S-21E	1
43-047-31996-00-00	NBU 159	Active Well	Water Disposal	9S-21E	35

JUN 19 2001
DIVISION OF
OIL, GAS AND MINING

State of Delaware Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

JUN 19 2001

DIVISION OF OIL, GAS AND MINING



Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 1061007

DATE: 04-03-01

0610204 8100

010162788

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION

David L. Siddall

Vice President

Attest:

Margaret E. Roark, Assistant Secretary

RECEIVED FILED 11:00

STATE OF DELAWARE SECRETARY OF STATE DIVISION OF CORPORATIONS FILED 11:00 AM 03/09/2001 010118394 - 0610204

JUN 19 2001

DIVISION OF OIL, GAS AND MINING

State of Delaware



Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THAT THE SAID "COASTAL OIL & GAS CORPORATION", FILED A CERTIFICATE OF AMENDMENT, CHANGING ITS NAME TO "EL PASO PRODUCTION OIL & GAS COMPANY", THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

JUN 19 2001

DIVISION OF OIL, GAS AND MINING

Warriet Smith Windsor, Secretary of State

AUTHENTICATION: 1103213

DATE: 04-27-01

0610204 8320

010202983

EL PASO PRODUCTION OIL & GAS COMPANY

CERTIFICATE OF INCUMBENCY

I, Margaret E. Roark, do hereby certify that I am a duly elected, qualified and acting Assistant Secretary of EL PASO PRODUCTION OIL & GAS COMPANY, a Delaware corporation (the "Company"), and that, as such, have the custody of the corporate records and seal of said Company; and

I do hereby further certify that the persons listed on the attached Exhibit A have been elected, qualified and are now acting in the capacities indicated, as of the date of this Certificate.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of El Paso Production Oil & Gas Company this 18th day of April 2001.

Margaret E. Roark, Assistant Secretary

RECEIVED

JUN 19 2001

DIVISION OF OIL, GAS AND MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH	 4-KAS	
2. CDW	5-LPV 6/2	
3. JLT	 6-FILE	

Enter date after each listed item is completed

Change of Operator (Well Sold)

Is the new operator registered in the State of Utah:

Designation of Agent

Operator Name Change (Only)

X Merger

FROM: (Old Operator):	· · · · · · · · · · · · · · · · · · ·	7	TO: (Ne	w Operator):			
COASTAL OIL & GAS CO	DRPOR ATION	1		PRODUCTIO	NOU & GA	SCOMI	PANV
Address: 9 GREENWAY P		-		9 GREENWA			
radicos. > Greenwill 1		-	rudicss.	J GREENWA	CI I LITZII C	7111 2721	1001 27751
HOUSTON, TX 77046-099	95		HOUSTO	N, TX 77046-0)995		
Phone: 1-(713)-418-4635		=	Phone:	1-(832)-676-4			
Account N0230			Account				
	CA No.		Unit:				
WELL(S)							
		API	ENTITY	SEC TWN	LEASE	WELL	WELL
NAME		NO	NO	RNG	TYPE	TYPE	STATUS
ALLRED 2-16A3		43-013-30361	99996	16-01S-03W		WD	Α
BIRCH 2-35A5		43-013-30362	99996	35-01S-05W		WD	A
G HANSON 2-4B3 SWD		43-013-30337	99990	04-02S-03W		WD	A
LAKE FORK 2-23B4		43-013-30038	1970	23-02S-04W		WD	Α
LINDSAY RUSSELL 2-32	B4	43-013-30371	99996	32-02S-04W		WD	A
TEW 1-9B5		43-013-30121	1675	09-02S-05W	1	WD	A
EHRICH 2-11B5		43-013-30391	99990	11-02S-05W		WD	Α
LDS CHURCH 2-27B5		43-013-30340	99990	27-02S-05W		WD	A
UTE 1-14C6		43-013-30056	12354	14-03S-06W		WD	A
SOUTHMAN CANYON U		43-047-15880	99990		FEDERAL		A
STIRRUP STATE 32-6	(HORSESHOE BEND UNIT)	43-047-32784	12323		STATE	WIW	Α
NBU 21-20B	(NATURAL BUTTES UNIT)	43-047-30359	2900	20-09S-20E	FEDERAL		A
NBU 159	(NATURAL BUTTES UNIT)	43-047-31996	2900	35-09S-21E	FEDERAL	WD	Α
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ODED ATON OFFICE				1		L	<u> </u>
OPERATOR CHANG	GES DOCUMENTATION						
1. (R649-8-10) Sundry or	legal documentation was received	from the FORM	ER operato	r on:	06/19/2001		

YES

Business Number:

608186-0143

5.	If NO, the operator was contacted contacted on:	N/A	
6.	Federal and Indian Lease Wells: The BLM and or operator change for all wells listed on Federal or Indian		l the (merger, name change, N/A
7.	Federal and Indian Units: The BLM or BIA has a for wells listed on:	N/A	-
8.	Federal and Indian Communization Agreeme change for all wells listed involved in a CA on:	ents ("CA"): The BLM N/A	I or the BIA has approved the operator
9.	Underground Injection Control ("UIC") for the enhanced/secondary recovery unit/project for the w	• •	UIC Form 5, Transfer of Authority to Inject, on: N/A
	ATA ENTRY: Changes entered in the Oil and Cas Database on:	06/21/2001	
1.	Changes entered in the Oil and Gas Database on:	00/21/2001	
2.	Changes have been entered on the Monthly Operator Changes	ange Spread Sheet on:	06/21/2001
3.	Bond information entered in RBDMS on:	06/20/2001	
4.	Fee wells attached to bond in RBDMS on:	06/21/2001	
Si	TATE BOND VERIFICATION:		
1.	State well(s) covered by Bond No.:	400JU0705	
F	EE WELLS - BOND VERIFICATION/LEASE	INTEREST OWNER	NOTIFICATION:
	(R649-3-1) The NEW operator of any fee well(s) listed ha		400JU0708
2.	The FORMER operator has requested a release of liability The Division sent response by letter on:	from their bond on: N/A	COMPLETION OF OPERATOR CHANGE
3.	(R649-2-10) The FORMER operator of the Fee wells has be of their responsibility to notify all interest owners of this ch		by a letter from the Division ON OF OPERATOR CHANGE
	LMING: All attachments to this form have been MICROFILMED	on: 7 · 26 · (C)	
	LING: ORIGINALS/COPIES of all attachments pertaining to each	ch individual well have been	filled in each well file on:
CO	DMMENTS: Master list of all wells involved in opera oduction Oil and Gas Company shall be retained in	ator change from Coast	al Oil & Gas Corporation to El Paso
	oddonon on and ods company shan be retained in	operator onlinge	
_			

UNITED STATES GOVERNMENT

memorandum

Uintah & Ouray Agency

٠,

Date:

5 December, 2002

Reply to Attn of:

Supervisory Petroleum Engineer

Subject:

Modification of Utah Division of Oil, Gas and Mining Regulations

To:

Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate you concern, and hope that these comments are timely enough for consideration in the revision process. Charles H Cameson

CC:

Minerals & Mining Section of RES

Ute Energy & Mineral Resources Department: Executive Director chrono



P. 2 NO. 173

FAX NO. 4357817094

WESTPORT OIL AND GAS COMPANY, L.P.

410 Seventeenth Street #2300 Denver Colorado 60202-4436 Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior Bureau of Land Management 2850 Youngfield Street Lakewood, CO 80215-7093 Attention: Ms. Martha Maxwell

BLM Bond CO-1203 RE:

BLM Nationwide Bond 158626364 Surety - Commental Casualty Company Belco Energy Corporation merger into Westport Oil and Gas Company, Inc. Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P. Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals. Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc. Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.

List of all Federal/BIA/State Leases - Beloo/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,

Westport Oil and Gas Company, L.P.

Black

Engineer Technician

Encl:

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405 UTU-20895 UTU-25566 UTU-43156 UTU-49518 UTU-49519 UTU-49522 UTU-49523

Robert Lopez
Chief, Branch of
Minerals Adjudication

Moab Field Office
 Vernal Field Office
 MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
 State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
 Teresa Thompson (UT-922)
 Joe Incardine (UT-921)



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, D.C. 20240

FEB 1 0 2003

Carroll A. Wilson Principal Landman Westport Oil and Gas Company, L.P. 1368 South 1200 East Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

ACTING

Sincerely,

Director, Office of Trust Responsibilities

Enclosure

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL. GAS AND MINING

DIVISION O	F OIL, GAS AND MI	NING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES	S AND REPORTS	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantl drill horizontal laterals. Use APPLIC	y deepen existing wells below cur ATION FOR PERMIT TO DRILL fo	rent bottom-hole depth, reenter plugged wells, or to orm for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS	WELL OTHER_		8. WELL NAME and NUMBER: Exhibit "A"
2. NAME OF OPERATOR:			9. API NUMBER:
El Paso Production 3. ADDRESS OF OPERATOR:	Oil & Gas Company		
9 Greenway Plaza Grip Houston	STATE TX	77064-0995 (832) 676-5933	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL			
FOOTAGES AT SURFACE:			COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:			STATE: UTAH
11. CHECK APPROPRIATE E	BOXES TO INDICAT	E NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	<u> </u>
NOTICE OF INTENT		DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CAS		FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING RE		MEW CONSTRUCTION	TEMPORARILY ABANDON
	O PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
CHANGE TI		PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)		PLUG BACK	WATER DISPOSAL .
Date of work completion:	ELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
	E PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER:
CONVERT	WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
EL PASO PRODUCTION OIL & GA	and Gas Company, ond No. RLBO	L.P., 1670 Broadway, Suite 28	
Jon R. Nelsen, Attorney-in-Fact WESTPORT OIL AND GA	S COMPANY I P		<u> </u>
NAME (PLEASE PRINT) David R. Dix		TITLE Agent and Attorne	ey-in-Fact
SIGNATURE	WM	DATE	

(This space for State use only)



United States Department of the Interior RECEIVED

BUREAU OF LAND MANAGEMENT

FEB 2 2 2002

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

DIVISION OF OIL GAS AND MINING

In Reply Refer To: 3106 UTU-25566 et al (UT-924)

FEB 2 1 2002

NOTICE

Westport Oil and Gas Company L.P.

Oil and Gas

410 Seventeenth Street, #2300

Denver Colorado 80215-7093

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of <u>Westport Oil</u> and <u>Gas Company, Inc.</u> into <u>Westport Oil and Gas Company, L.P.</u> with <u>Westport Oil and Gas Company, L.P.</u> being the surviving entity.

For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any

Conditions of approval, if any, are attached Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

(Instructions on reverse)

false, fictitious or fraudulem statements or representations as to any matter within its jurisdiction.

Date

DIVISION OF OIL, GAS AND MINING

TRANS	FER OF AUTHORITY TO INJECT	r
Well Name and Number		API Number
EXHIBIT "A"		
Location of Well		Field or Unit Name
Footage :	County:	Lease Designation and Number
QQ, Section, Township, Range:	State: UTAH	

EFFECTIVE DATE OF TRANSFER: 12-17-0 2

CURRENT OF	PERATOR		
Company:	EL PASO PRODUCTION OIL & GAS COMPANY	Name: JON R. NELSEN	
Address:	1368 SOUTH 1200 EAST	Signature: 50 / 5//	
	city VERNAL state UT zip 84078	Title: ATTORNEY-IN-FACT	
Phone:	435-789-4433 ~	Date: 12-17-02	

NEW OPERATOR Company: WESTPORT OIL AND CAS COMPANY L.P. Name: 1670 BROADWAY, SUITE 2800 Address: Signature: AGENT, ATTORNEY-IN-FACT city DENVER state CO zip 80202-4800 Title: 12-17-02 Phone: 303-575-0177 Date: Comments:

(This space for State use only)

Comments:

Transfer approved by:

Seer approved by: Sither Seen Dees Ways Paper Super Su

EXHIBIT "A"

TRANSFER OF AUTHORITY TO INJECT

STATE OF UTAH

DEPART OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

بالجار

WELL NAME	API	FOOTAGE	COUNTY	QUARTER QUARTER LOCATION	SECTION	TOWNSHIP	RANGE	STATE	FIELD OF UNIT NAME
SOUTHMAN CANYON U 3	4304715880	2180 FSL 400 FEL	UINTAH	NE/4NE/4SE/4	15	10S	23E	UTAH	SOUTHMAN CANYON
NBU 241-20B	4304730359	1037 FNL 1033 FEL	UINTAH	SW/WNE/4NE/4	20	098	20E	UTAH	NATURAL BUTTES
NBU 159	4304731996	1958 FSL 1945 FWL	UINTAH	SW/4NE/4SW/4	35	09S	21E	UTAH	NATURAL BUTTES
STRRUP ST 32-6	4304732784	850 FNL 800 FEL	UINTAH	NE/4NE/4	32	06S	21E	UTAH	HORSESHOE BEND
OURAY SWD 1	4304733449	561 FNL 899 FEL	UINTAH	NE/4NE/4	01	098	21 E	UTAH	NATURAL BUTTES
NBU SWD 2-16	4304733597	2486 FSL 1122 FEL	UINTAH	NW/4NE/4SE/4	16	108	21E	UTAH	NATURAL BUTTES

OPERATOR CHANGE WORKSHEET

R	OUTI	١G
1.	GLH	
	~~~~	

2. CDW 3. FILE

#### X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed,	effective:	12-17-02				
FROM: (Old Operator):		<b>TO:</b> ( New O ₁	perator):			
EL PASO PRODUCTION OIL & GAS COMPANY	1	WESTPORT C	IL & GAS	COMPANY	LP	
Address: 9 GREENWAY PLAZA	]	Address: P O E	OX 1148			
	1					
HOUSTON, TX 77064-0995	4	VERNAL, UT				
Phone: 1-(832)-676-5933	4	Phone: 1-(435)				·
Account No. N1845		Account No.	N2115			
CA No.	•	Unit:				
WELL(S)	Ton o many	T		IT TO A CITY	IXXXXX X	Texase v
		API NO	ENTITY	B.		WELL
NAME	RNG	42.047.21006	NO	TYPE FEDERAL	TYPE SWD	STATUS
NBU 159 STIRRUP STATE 32-6		43-047-31996 43-047-32784		STATE	SWD	A
NBU 21-20B		43-047-32784			SWD	A
OURAY SWD 1		43-047-333449		FEE	SWD	I
NBU SWD 2-16 NA		43-047-33597		STATE	SWD	PA
SOUTHMAN CANYON 3			99990		SWD	A
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OPERATOR CHANGES DOCUMENTATION Enter date after each listed item is completed						
1. (R649-8-10) Sundry or legal documentation was received	from the FOR	RMER operator	on:	02/28/2003	_	
2. (R649-8-10) Sundry or legal documentation was received	from the NEV	V operator on:	03/04/200	3		
3. The new company has been checked through the <b>Departn</b>	nent of Comm	erce, Division	of Corpora	tions Datab	ase on:	03/06/2003
4. Is the new operator registered in the State of Utah:	YES	Business Numb	per:	1 <u>355743-018</u>	<u>3</u> 1	
5. If NO, the operator was contacted contacted on:						

6. (R649-9-2)Waste Management Plan has been received on: <u>IN PLACE</u>
7. <b>Federal and Indian Lease Wells:</b> The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 12/31/2003
8. Federal and Indian Units:  The BLM or BIA has approved the successor of unit operator for wells listed on:  N/A
9. Federal and Indian Communization Agreements ("CA"):  The BLM or BIA has approved the operator for all wells listed within a CA on:  N/A
10. Underground Injection Control ("UIC") The Division has approved UIC Form 5, Transfer of Authority to Injection the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  03/06/2003
DATA ENTRY:
1. Changes entered in the Oil and Gas Database on: 03/07/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/07/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on:  N/A
STATE WELL(S) BOND VERIFICATION:  1. State well(s) covered by Bond Number:  RLB 0005236
FEDERAL WELL(S) BOND VERIFICATION:  1. Federal well(s) covered by Bond Number: 158626364
INDIAN WELL(S) BOND VERIFICATION:  1. Indian well(s) covered by Bond Number:  RLB 0005239
FEE WELL(S) BOND VERIFICATION:
1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The <b>FORMER</b> operator has requested a release of liability from their bond on:  The Division sent response by letter on:  N/A  N/A
LEASE INTEREST OWNER NOTIFICATION:  3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:  N/A
COMMENTS: COMPLETE LIST OF WELLS INVOLVING OPERATOR CHANGE MAY BE FOUND IN THE OPERATOR
CHANGE FILE.



#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8 999 18TH STREET - SUITE 300

DENVER, CO 80202-2466 http://www.epa.gov/region08

SEP - 3 2003

Ref: 8P-W-GW

## CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mr. Carroll Estes Principle Environmental Specialist Westport Oil and Gas Company, L.P. 1368 South 1200 East Vernal, Utah 84078 Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RE: UNDERGROUND INJECTION CONTROL (UIC)

MODIFICATION NO. 1

A Minor Permit Modification

Revise Noncompliance Reporting and

Transfer Permit Ownership

Permit UT20809-04345 Stirrup State No. 32-6

Uinta & Ouray Indian Reservation,

Uintah County, Utah

Dear Mr. Estes:

The Environmental Protection Agency (EPA) has revised the Final Permit: Part III. Section E. <u>GENERAL DUTIES AND REQUIREMENTS</u> by adding and/or modifying Conditions No. 10, No. 11, No, 12, No. 13, and No. 14. These additions and/or modifications to the Final Permit are to clarify for the operator/permittee which EPA office to contact when reporting Permit noncompliance.

The EPA has also reviewed and approved all submitted documents essential to the transfer of Permit ownership from Snyder Oil Corporation to Westport Oil and Gas Company, L.P.

All other provisions and conditions of the Final Permit UT20809-04345 shall remain as originally issued.

RECEIVED

SEP 0 5 2003

If you have any questions relative to the above actions please contact <u>Dan Jackson at 1.800.227.8917 (Ext. 6155)</u>. Please continue to submit all <u>compliance</u> correspondence concerning the referenced Permit to the <u>ATTENTION: NATHAN WISER, U.S. EPA 8ENF-T</u>, <u>999 18TH STREET: SUITE 300</u>, <u>DENVER, CO 80202-2466</u>. You may telephone Mr. Wiser at 1.800.227.8917(Ext. 6211).

To expedite requests for any modification to a Final Permit submit your request to the <u>ATTENTION: Dan Jackson</u> at the above letterhead address, citing <u>MAIL CODE: 8P-W-GW</u> very prominently.

Sincerely,

Stephen S. Tuber

Assistant Regional Administrator Office of Partnerships and

Regulatory Assistance

Encl: Minor Permit Modification No. 1
Addendum to the Statement of Basis

cc: w/ encl: Ms. Maxine Natchees

Chairwoman

Ute Indian Tribe

P.O. Box 190

Fort Duchesne, UT 84026

Ms. Elaine Willie

Environmental Coordinator

Ute Indian Tribe

P.O. Box 460

Fort Duchesne, UT 84026

Mr. Chester Mills
Superintendent
Bureau of Indian Affairs
Uintah & Ouray Indian Agency
P.O. Box 130
Fort Duchesne, UT 84026

Mr. Gil Hunt Technical Services Manager State of Utah - Natural Resources Division of Oil, Gas and Mining 1594 West North Temple - Suite 1220 Salt Lake City, UT 84114-5801

Mr. Jerry Kenczka
Petroleum Engineer
Bureau of Land Management
Vernal District
170 South 500 East
Vernal, UT 84078

Mr. Nathan Wiser 8ENF-T



#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
Phone 800-227-8917
http://www.epa.gov/region08

## MODIFICATION NO. 1 A MINOR PERMIT MODIFICATION

to

PERMIT UT20809-04345

for

WESTPORT OIL AND GAS COMPANY, L.P. CLASS II ENHANCED RECOVERY INJECTION WELL STIRRUP STATE NO. 32-6

NE NE SEC. 32 - T6S - R21E UINTAH COUNTY, UTAH

Pursuant to Part III, Section B. 1. of the above-referenced Underground Injection Control (UIC) Permit, a Modification No. 1 (i.e., Minor Permit Modification) is to be made.

ORIGINAL VERSION: (April 18, 1997)

TITLE SHEET

Issued To

Snyder Oil Corporation 1625 Broadway Suite 2200 Denver, Colorado 80202

#### IS MODIFIED TO READ:

TITLE SHEET

Issued to

OPERATOR: WESTPORT OIL AND GAS COMPANY, L.P.
1368 South 1200 East
Vernal, Utah 84078

# ADDENDUM TO THE STATEMENT OF BASIS for a

**MODIFICATION NO. 1** 

a

MINOR PERMIT MODIFICATION for TRANSFER OF WELL OWNERSHIP

tc

WESTPORT OIL AND GAS COMPANY, L.P. (WESTPORT)

STIRRUP STATE NO. 32-6 PERMIT: UT20809-04345

(Formerly: UT2809-04345)

The Stirrup State No. 32-6 Environmental Protection Agency (EPA) Final Permit was issued to Snyder Oil Corporation on April 18, 1997. The Final Permit became effective on April 18, 1997. Authorization to commence injection was granted on December 22, 1997.

Exhibit B-1 (Implementation File UT20809-04345) states that effective July 1, 1999, Santa Fe Snyder Corporation sold the Stirrup State No. 32-6 to Coastal Oil and Gas Corporation (Coastal). EPA Form No. 7520-07 (Application To Transfer Permit) states that the Santa Fe Snyder Corporation sold Stirrup State No. 32-6 to Coastal, and that the effective date of ownership change was September 1, 1999. No Minor Permit Modification exists that identifies when "Santa Fe" merged (?) with Snyder Oil Corporation to form the Santa Fe Snyder Corporation. No Minor Permit Modification exists that identifies Coastal Oil Corporation as owner/operator of the Stirrup State No. 32-6.

On March 9, 2001, the Coastal Oil & Gas Corporation changed its name to El Paso Production Oil and Gas Company. No Minor Permit Modification was apparently written to note the name change.

Westport has submitted all requirements for **Transfer of Ownership**, as cited in Final Permit UT20809-04345, Part III. B. 3. (<u>Transfers</u>), from El Paso Production Oil and Gas Company to Westport. EPA Form No. 7520-07 (Application to Transfer Permit), and the Surety Bond and Standby Trust Agreement have been reviewed and approved by the EPA. The Financial Responsibility Demonstration of \$84,004 covers four wells, which includes the Stirrup State No. 36-2. The Transfer of Ownership was effective **December 18, 2002.** 

environment. Information shall be provided orally within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning the EPA at (303) 312-6203 (during normal business hours) or at 1-800-424-8802 (National Response Center). The following information shall be included in the verbal report:

- (A) Any monitoring or other information which indicates that any contaminant may cause endangerment to an underground source of drinking water.
- (B) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.
- (ii) A written submission shall also be provided within five (5) days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has been corrected, the anticipated time it is expected to continue; and steps take or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- (d) Other Noncompliance. The permittee shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted. The reports shall contain the information listed in Part III, Section E. 10. (c) (ii) of this permit.
- (e) Other Information. Where the operator becomes aware that any relevant facts were not submitted in the Permit application, or incorrect information was submitted in a permit application or in any report to the Director, the permittee shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

All other provisions and conditions of the Stirrup State No. 32-6 Permit (UT20809-04345) shall remain as originally issued.

Stephen S. Tuber

Assistant Regional Administrator

Office of Partnerships and Regulatory Assistance

#### STATE OF UTAH

6. Lease Designation and Serial Number

#### DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

			MULTIPLE	WELLS- SEE	ATTACHE
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WESTPORT OIL & GAS COMPA	ANY, L.P.	•	MULTIPLE V	WELLS- SEE	ATTACHE
Address of Operator		4. Telephone Number	1	Pool, or Wildcat	
1368 SOUTH 1200 EAST, VERN.	AL, UTAH 84078	435-781-7060	MULTIPLE V	WELLS- SEE A	ATTACHE
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14. I hereby certify that the foregoing is	true and correct.		i mich	"	
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**Project Year** 

## Westport Oil and Gas, Inc. NBU/Ouray Field

RFL 2003-022

#### **COMPARISON OF FLASH BACK PRESSURES**

Calculated by Characterized Equation-of-State

Conditions         Ratio (scf/STbbl)         Gravity of Flashed Gas (Air=1.000)         Volume Factor (B)         Volume Percent (C)           psig         °F         (A)         (Air=1.000)         (B)         (C)           Calculated at Laboratory Flash Conditions         1.019         1.019         1.033         101.37%           0         0         1.000         98.14%           Calculated Flash with Backpressure using Tuned Elastory         1.015         1.015           6.0 oz         65         24.6         0.777         1.003         98.82%           0         60         0.0         —         1.015         1.015           4.0 oz         65         24.7         0.778         1.003         98.82%           0         60         0.0         —         1.000         98.52%           80         70         1.015         1.000         98.52%           80         70         1.015         2.0 oz         65         24.7         0.779         1.003         98.82%           0         60         0.0         —         1.000         98.52%           0         60         0.0         —         1.000         98.52%	FI	ash	Gas/Oil	Specific	Separator	Separator
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psig   °F   (A)					Factor	
Calculated at Laboratory Flash Conditions         80       70       1.019         0       122       30.4       0.993       1.033       101.37%         0       60       0.0       —       1.000       98.14%         Calculated Flash with Backpressure using Tuned EOS         80       70       1.015       6.0 oz 65       24.6       0.777       1.003       98.82%         0       60       0.0       —       1.000       98.52%         80       70       1.015       1.003       98.82%         0       60       0.0       —       1.000       98.52%         80       70       1.015       1.015       1.015       1.015       1.015       1.015       1.000       98.52%       1.015       1.000       98.52%       1.015       1.000       98.52%       1.000       98.52%       1.000       98.52%       1.000       98.52%       1.000       98.52%       1.000       98.52%       1.000       98.52%       1.000       1.000       98.52%       1.000       98.52%       1.000       1.000       98.52%       1.000       1.000       98.52%       1.000       1.000       1.000       1.000       1	psig	°F	<b>-</b>	( Air=1.000 )	(B)	
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6.0 oz 65 24.6 0.777 1.003 98.82% 0 60 0.0 1.000 98.52% 80 70 1.015 4.0 oz 65 24.7 0.778 1.003 98.82% 0 60 0.0 1.000 98.52% 80 70 1.015 2.0 oz 65 24.7 0.779 1.003 98.82% 0 60 0.0 1.000 98.52%	Calculated	Flash with	Backpressure u	sing Tuned EOS	3	
0       60       0.0       —       1.000       98.52%         80       70       1.015         4.0 oz       65       24.7       0.778       1.003       98.82%         0       60       0.0       —       1.000       98.52%         80       70       1.015         2.0 oz       65       24.7       0.779       1.003       98.82%         0       60       0.0       —       1.000       98.52%	80	70			1.015	
80 70 4.0 oz 65 24.7 0.778 1.003 98.82% 0 60 0.0 1.000 98.52% 80 70 2.0 oz 65 24.7 0.779 1.003 98.82% 0 60 0.0 1.000 98.52%	6.0 oz	65	24.6	0.777	1.003	98.82%
4.0 oz       65       24.7       0.778       1.003       98.82%         0       60       0.0        1.000       98.52%         80       70       1.015         2.0 oz       65       24.7       0.779       1.003       98.82%         0       60       0.0        1.000       98.52%	0	60	0.0		1.000	98.52%
0 60 0.0 — 1.000 98.52%  80 70	80	70			1.015	
80 70 1.015 2.0 oz 65 24.7 0.779 1.003 98.82% 0 60 0.0 1.000 98.52%	4.0 oz	65	24.7	0.778	1.003	98.82%
2.0 oz     65     24.7     0.779     1.003     98.82%       0     60     0.0      1.000     98.52%	0	60	0.0		1.000	98.52%
0 60 0.0 1.000 98.52%	80	70			1.015	
	2.0 oz	65	24.7	0.779	1.003	98.82%
80 70 1.015	0	60	0.0	244	1.000	98.52%
UU.1	80	70			1.015	
0 65 24.8 0.780 1.003 98.82%			24.8	0.780		98.82%
0 60 0.0 1.000 98.52%	0	60	0.0	***	1.000	

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

⁽A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

⁽B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

⁽C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

WELL	LEGALS	STF LEASE NO	CA NUMBER	API NO
ARCHY BENCH STATE 1-2	NENE SEC 2, T11S, R22E	ML22348A		4304731489
BAYLESS STATE 02-01	SWSE SEC 2, T9S, R20E	ML47044		4304734540
BONANZA 1023-2A	NENE SEC. 2, T10S, R23E	ML47062		4304735347
BONANZA 1023-2C	NENW SEC. 2, T10S, R23E	ML47062		4304735346
BONANZA 1023-2E	SWNW SEC. 2, T10S, R23E	ML47062		4304735345
KENNEDY WASH STATE 16-1	NWNW SEC 16, T8S, R23E	ML47212		4304733589
MORGAN STATE 01-36	SENW SEC 36, T9S, R21E	ML22265		4304730600
MORGAN STATE 02-36	NWNE SEC 36, T9S, R21E	ML22265		4304732585
MORGAN STATE 03-36	NWNE SEC 36, T9S, R21E	ML22265		4304732589
MORGAN STATE 04-36	NWSW SEC 36, T9S, R21E	ML22265		4304732729
MORGAN STATE 05-36	NWSE SEC 36, T9S, R21E	ML22265		4304732735
MORGAN STATE 06-36	SWNW SEC 36, T9S, R21E	ML22265		4304732810
MORGAN STATE 07-36	NENW SEC 36, T9S, R21E	ML22265		4304732811
MORGAN STATE 08-36	NENE SEC 36, T9S, R21E	ML22265		4304732812
MORGAN STATE 09-36	SWNE SEC 36, T9S, R21E	ML22265		4304732815
MORGAN STATE 10-36	SENE SEC 36, T9S, R21E	ML22265		4304732816
MORGAN STATE 11-36	NESW SEC 36, T9S, R21E	ML22265		4304732813
MORGAN STATE 12-36	NESE SEC 36, T9S, R21E	ML22265		4304732814
MORGAN STATE 13-36	SESE SEC 36, T9S, R21E	ML22265		4304732817
MORGAN STATE 14-36	SWSW SEC 36, T9S, R21E	ML22265		4304733092
MORGAN STATE 15-36	SESW SEC 36, T9S, R21E	ML22265		4304733094
MORGAN STATE 16-36	SWSE SEC 36, T9S, R21E	ML22265		4304733093
STATE 01-32	NESW SEC 32, T10S, R22E	ML22798	891008900A	4304734317
STATE 02-32	SESW SEC 32, T10S, R22E	ML22798		4304734831
STATE 03-32	NWSW SEC 32, T10S, R22E	ML22798		4304734832
STATE 1022-32A	NENE SEC. 32, T10S, R22E	ML22798		4304735096
STATE 1022-32J	NWSE SEC 32, T10S, R22E	ML22798		4304735095
STATE 1022-32M	SWSW SEC 32, T10S, R22E	ML-22798		
STATE 1022-320	SWSE SEC. 32, T10S, R22E	ML22798		4304735315
STATE 11-36	NESW SEC 36, T8S, R21E	ML22051	9C-205	4304734505
STATE 14-16	SWSW SEC 16, T7S, R21E	ML40904		4304731417
STATE 31-32	SESE SEC 31, T8S, R22E	ML28048	VR49I-84688C	4304730906
STATE 32-21	NESE SEC 32, T8S, R21E	ML22052	9C-204	4304730754
STIRRUP STATE 32-1	NWNE SEC 32, T6S, R21E	ML22036	UTU76783X	4304731557
STIRRUP STATE 32-1-J	NWSE SEC 32, T6S, R21E	ML40226		4304731646
STIRRUP STATE 32-2	SENE SEC 32, T6S, R21E	ML22036		4304731626
STIRRUP STATE 32-6 SWD	NENE SEC 32, T6S, R21E	ML22036	UTU76783X	4304732784
UTE TRIBAL 31-060	NESW SEC 31, T8S, R22E	ML28048	VR49I-84688C	4304733340
WONSITS STATE 01-32	SWNE SEC 32, T7S, R22E	ML47780		4304732820
WONSITS STATE 02-32	SWSE SEC 32, T7S, R22E	ML47780		4304732819
WONSITS STATE 05-32	SENE SEC 32, T7S, R22E	ML47780		4304733678
WONSITS STATE 09-32	NESW SEC 32, T7S, R22E	ML47780		4304734060

#### STATE OF UTAH

	DIVISION OF OIL, O			5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDR	Y NOTICES AND	REPORTS ON WE		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
				7. UNIT or CA AGREEMENT NAME:
Do not use this form for proposals to drill drill horizontal l	new wells, significantly deepen externals. Use APPLICATION FOR	PERMIT TO DRILL form for such propo	sals.	
1. TYPE OF WELL OIL WELL	GAS WELL	OTHER		8. WELL NAME and NUMBER:  See Exhibit "A"
2. NAME OF OPERATOR:				9. API NUMBER:
Newfield Production Com	pany			
3. ADDRESS OF OPERATOR: 1401 17th Street, Suite 1000 CH	Denver ,	STATE CO ZIP 80202	PHONE NUMBER: (303) 893-0102	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL	y <b>DOITTO</b> . §	STATE CO ZIP 60202		
FOOTAGES AT SURFACE:	See Exhibit "A"			COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RAI	NOE MEDIDIANI			STATE:
QTRQTR, SECTION, TOWNSHIP, RAI	NGE, MERIDIAN.	Visit and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the se		UTAH
11. CHECK APP	ROPRIATE BOXES	TO INDICATE NATURE	OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTUR	E TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW COM	ISTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS	S PLANS PLANS OPERATO	R CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AN	O ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BAG	CK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATU	s PRODUC	TION (START/RESUME)	WATER SHUT-OFF
Date of work completion.	COMMINGLE PRODUC	ING FORMATIONS RECLAMA	TION OF WELL SITE	OTHER:
	CONVERT WELL TYPE	RECOMP	ETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR C	OMPLETED OPERATIONS.	Clearly show all pertinent details i	ncluding dates, depths, volun	nes, etc.
Effective 8/1/2005, Newfi	eld Production Comp	any will take over opera	tions of the attached	referenced wells.
The previous owner was:				
	Westport Oil and Ga 1670 Broadway, Sui Denver, CO 80202			
Eff. 11. 0///0005 Nov. 5	ald Dardertion Comm	:	u tha tarma and aand	itions of the
Effective 8/1/2005, Newfileases for operations con issued by Hartford.	ducted on the leased	I lands or a portion there	of under BLM Bond I	No. UT0056
Attached is a list of wells	included.			
				~ ^ ^
Seller Signature:	<i>š</i> <b>4</b>	Ti	tle: David R.	
	lum7		Attorney	in Fact
Dean Lile	· · · · · · · · · · · · · · · · · · ·		Newfield Production	
NAME (PLEASE PRINT) Dean Lile	(P)	TI	166	
SIGNATURE Mean	Tilley	D/	TE 8-22-	ره
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This space for State use only)		ar and into	. /	
APPROVI	ID 11 1 29 10	15 and 10/3	1/05	RECEIVED

SEP 3 0 2005

### EXHIBIT "A" Attached to Sundry Notices

#### Westport Oil and Gas Company, L.P. and Newfield Production Company

API Well#	Well Name	Comp.	Loc.	S.	1/4 1/4	Twp	Rng
4304731859		WP	2132 FNL 2175 FEL		SWNE	7 <b>S</b>	22E
	BASER DRAW 1-31	WP	1804 FSL 1964 FWL	31	NWSW	6S	22E
	BASER DRAW 5-1	WP	984 FNL 633 FWL	5	NWNW	78	22E
4304731834	BASER DRAW 6-1	WP	849 FNL 1101 FWL	6	NWNW	7S	22E
4304730880	BASER DRAW FED 2-31	WP	1407 FNL 1320 FEL	31	SENE	6S	22E
4304731304	COORS 14-1-D	WP	699 FNL 720 FWL	14	NWNW	<b>7</b> S	21E
4304732009	COORS FEDERAL 2-10HB	WP	1700 FNL 1800 FEL	10	SWNE	78	21E
4304730034	FED MILLER 1	WP	1980 FSL 660 FWL	4	NWSW	78	22E
4304731647	FEDERAL 21-I-P	WP	660 FSL 510 FEL	21	SESE	6S	21E
4304733872	HORSESHOE BEND FED 26-3	WP	1974 FSL 847 FWL	26	NWSW	6S	21E
4304731482	HORSESHOE BEND STATE 36-1	WP	628 FSL 501 FEL	36	SESE	6S	21E
4304733833	HORSESHOE BEND FED 11-1	WP	618 FNL 2007 FEL	11	NWNE	<b>7</b> S	21E
4304733871	HORSESHOE BEND FED 26-2	WP	660 FSL 660 FEL	26	SESE	6S	21E
4304733831	HORSESHOE BEND FED 3-1	WP	1980 FSL 1980 FEL	3	NWSE	7S	21E
4304733832	HORSESHOE BEND FED 4-1	WP	1980 FSL 1980 FEL	4	NWSE	7 <b>S</b>	21E
4304730815	W WALKER FED 1-33	WP	1712 FSL 1229 FWL	33	NWSW	6S	22E
4304715609	WOLF GOVT FED 1	WP	760 FNL 660 FEL	5	NENE	<b>7S</b>	22E
4304731698	ANNA BELLE 31-2-J	WP	1978 FSL 1990 FEL	31	NWSE	6S	21E
4304731643	COTTON CLUB 1	WP	331 FNL 380 FEL	31	NENE	6S	21E
4304731431	E GUSHER 2-1A	WP	500 FSL 660 FWL	3	SWSW	6S	20E
4304715590	EAST GUSHER UNIT 3	WP	2122 FSL 1000 FWL	10	NWNE	6S	20E
4304732333	FEDERAL 11-1-M	WP	949 FSL 267 FWL	11	swsw	6S	20E
4-04731468	FEDERAL 33-1-I	WP	2052 FSL 502 FEL	33	NESE	6S	21E
4304731467	FEDERAL 34-2-K	WP	1935 FSL 1854 FWL	34	NESW	6S	21E
4304731693	FEDERAL 4-1-D	WP	900 FNL 1000 FWL	4	NWNW	<b>7</b> S	21E
4304731853	FEDERAL 4-2-F	WP	2045 FNL 1945 FWL	4	SENW	7 <b>S</b>	21E
4304731903	FEDERAL 5-5-H	WP	2300 FNL 200 FEL	5	SENE	7S	21E
4304733691	GOSE FEDERAL 3-18	WP	1031 FSL 1087 FWL	18	SWSW	6S	21E
4304715800	HORSESHOE BEND 2	WP	878 FNL 2111 FEL	3	NWNE	7S	21E
4304731588	L. C. K 30-1-H	WP	1830 FNL 510 FEL	30	SENE	6 <b>S</b>	21E
4304731508	STIRRUP FEDERAL 29-2	WP	1885 FSL 2163 FEL	29	NWSE	6S	21E

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## EXHIBIT "A" Attached to Sundry Notices

#### Westport Oil and Gas Company, L.P. and Newfield Production Company

API Well #	Well Name	Comp.	Loc.	<u>S.</u>	<u> 1/4 1/4</u> -	<u>Twp</u>	Rng
4304731623	FEDERAL 33-4-D	WP	533 FNL 778 FWL	33	NWNW	6S	21E
4304731634	STIRRUP FEDERAL 29-3	WP	388 FSL 237 FEL	29	SESE	6S	21E
4304731626	STIRRUP STATE 32-2	WP	1967 FNL 500 FEL	32	SENE	6S	21E
4304732784	STIRRUP ST 32-6	l _{wP}	850 FNL 800 FEL	32	NENE	6S	21E

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Division of Oil, Gas and Mining

#### **OPERATOR CHANGE WORKSHEET**

ROUTING 1. DJJ

2. CDW

#### X Change of Operator (Well Sold)

The operator of the well(s) listed below has changed, effective:

Designation of Agent/Operator

8/1/2005

Operator Name Change

Merger

FROM: (Old Operator):				<b>TO:</b> ( New C				
1 1				N2695-Newfield Production Company 1401 17th St, Suite 1000 Denver, CO 80202				
1670 Broadway, Suite 2800								
Denver, CO 80202								
Phone: 1-(			Phone: 1-(303	) 893-0102				
CA No	0.			Unit:		HORSESI	IOE BEI	ND
WELL(S)	1							
NAME	SEC	TWN	RNG	API NO	ENTITY	LEASE	WELL	WELL
					NO	TYPE	TYPE	STATUS
STIRRUP ST 32-6	32	060S	210E	4304732784	12323	State	WI	A
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OPERATOR CHANGES DOCUMENTE Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the	was rec	eived f		=		9/30/2005 9/30/2005		
3. The new company was checked on the Depar	rtment	of Cor	nmerce	, Division of C	orporations	Database o	n:	2/23/2005
4. Is the new operator registered in the State of				Business Num		755627-014:		
5. If <b>NO</b> , the operator was contacted contacted				•				
Co. (DCAO O 2)Weste Management Dien keekee	****	.d a=-		INIDIACE				
6a. (R649-9-2)Waste Management Plan has been				IN PLACE	-			
6b. Inspections of LA PA state/fee well sites com	-			n/a	-			
6c. Reports current for Production/Disposition &	Sundr	ies on:		ok	_			

7.	Federal and Indian Lease Wells: The BLM and or the or operator change for all wells listed on Federal or Indian leases		ed the BLM	merger, name change, 10/19/2005 BIA n/a
8.	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for	or wells listed on:		10/19/2005
9.	Federal and Indian Communization Agreements ('The BLM or BIA has approved the operator for all wells listed to			n/a
10	D. Underground Injection Control ("UIC")  The D. Inject, for the enhanced/secondary recovery unit/project for the way.	• •		Form 5, Transfer of Authority to on:n/a
$\overline{\mathbf{D}}$	ATA ENTRY:			
1.	Changes entered in the Oil and Gas Database on:	11/29/2005		
2.	Changes have been entered on the Monthly Operator Change Sp	pread Sheet on:		11/29/2005
3.	Bond information entered in RBDMS on:	11/29/2005		
4.	Fee/State wells attached to bond in RBDMS on:	11/29/2005		
5.	Injection Projects to new operator in RBDMS on:	11/29/2005		
6.	Receipt of Acceptance of Drilling Procedures for APD/New on:		n/a	
<b>FF</b> 1.	EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:	RLB0006225		
IN	DIAN WELL(S) BOND VERIFICATION:			
1.	Indian well(s) covered by Bond Number:	n/a		
	EE & STATE WELL(S) BOND VERIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed covered by	y Bond Number		61BSBDH2919
	The FORMER operator has requested a release of liability from the Division sent response by letter on:	eir bond on:	n/a	_
	EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been con of their responsibility to notify all interest owners of this change on		ed by a le	etter from the Division
CC	DMMENTS:	-		
		<del></del>		

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#### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT						
Well Name and Number Stirrup St 32-6		API Number 4304732784				
Location of Well Footage: 850' FNL, 800' FEL	County : Uintah	Field or Unit Name Horseshoe Bend				
QQ, Section, Township, Range; NENE 32 6S 21E	State: UTAH	Lease Designation and Number ML-22036				

EFFECTIVE DATE OF TRANSFER: 8/1/2005

Company:	Westport Oil and Gas Company, L.P.	Name;	David R. Dix
Address:	1999 Broadway, Suite 3700	Signature:	(1.17197D)
	city Denver state CO zip 80202	Title:	Attorney-in-Fact
Phone:	(720) 264-2697	_ Date:	11/7/2005
Comments:	<b>;</b>	_	

ompany:	Newfield Production	on Company	Name:	Dean Liley
ddress:	1401 17th Street,	Suite 1000	Signature:	Dan Lley
	city Denver	state CO zip 80202	Title:	New Ventures Manager
hone:	(303) 893-0102		Date:	11-8-05
omments:	:			

(This space for State (Se only

Transfer approved by

Approval Date: U/28/05

Comments:

EPA approval required

(*5/2*:000)

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Sundry Number: 19324 API Well Number: 43047327840000

			FORM
	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ	G	<b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22036
SUNDF	RY NOTICES AND REPORTS OF	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepen exisugged wells, or to drill horizontal laterals. Use A		7.UNIT or CA AGREEMENT NAME: HORSESHOE BEND (GR)
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: STIRRUP ST 32-6
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COM	IPANY		9. API NUMBER: 43047327840000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84	PHONE N 4052 435 646-4825 Ext	NUMBER:	9. FIELD and POOL or WILDCAT: HORSESHOE BEND
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0850 FNL 0800 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN: Township: 06.0S Range: 21.0E Meridian: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICATE N	NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
On 10/07/2011 Nat year MIT on the abo up to 1220 psig and was not injecting duri	CHANGE TO PREVIOUS PLANS  CHANGE WELL STATUS  DEEPEN  OPERATOR CHANGE  PRODUCTION START OR RESUME  REPERFORATE CURRENT FORMATION  TUBING REPAIR  WATER SHUTOFF	cacted concerning the 5 be casing was pressured pressure loss. The well was 474 psig during the witness the test. E	Accepted by the Letah Division of
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE	
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician	
SIGNATURE N/A		<b>DATE</b> 10/10/2011	

Sundry Number: 19324 API Well Number: 43047327840000

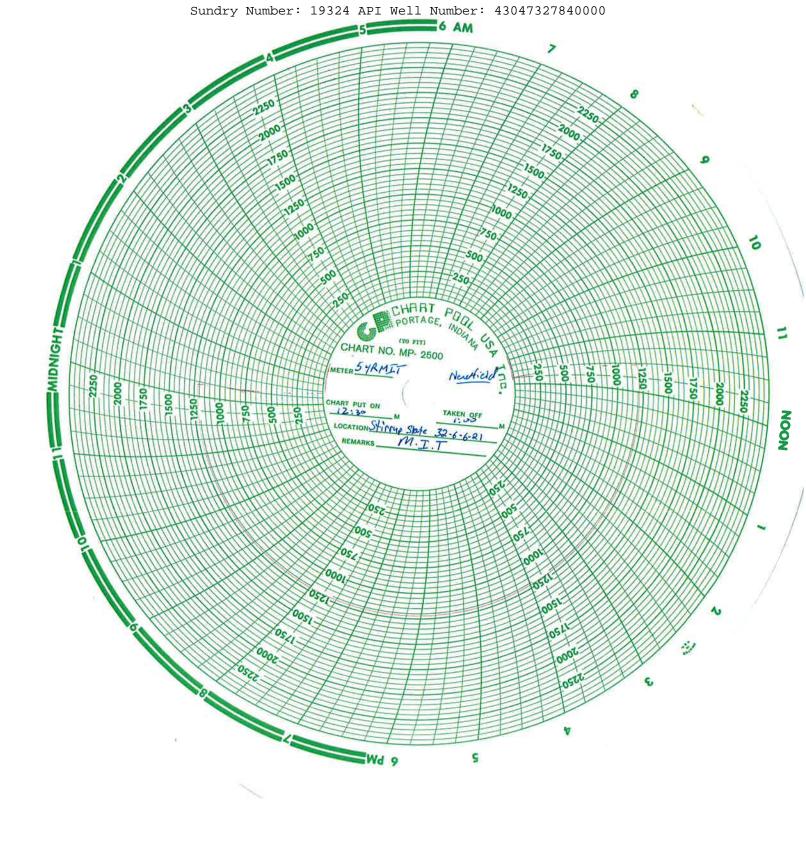
# Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test U.S. Environmental Protection Agency Underground Injection Control Program 999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness:			Date:	1017	1 11			
Test conducted by: Rowely Cloward.								
Others present:	,							
Well Name: STITCUP STUTE 32.6-6-21 Type: ER SWD Status: AC TA UC Field: Hosseshoe Bend.  Location: NE/NE Sec: 32 T 6 N/O R21 E/W County: VINTOH State: CCT  Operator: New field.								
	/ Max	cimum Allow	able Pressure:		PSIG_			
Is this a regularly scheduled test? [X] Yes [ ] No Initial test for permit? [ ] Yes [X] No Test after well rework? [ ] Yes [X] No Well injecting during test? [ ] Yes [X] No If Yes, rate: X bpd  Pre-test casing/tubing annulus pressure:								
MIT DATA TABLE	Test #1		Test #2		Test #3			
TUBING	PRESSURE							
Initial Pressure	474	psig		psig		psig		
End of test pressure	474	psig		psig		psig		
CASING / TUBING	ANNULUS		PRESSURI	3				
0 minutes	1220	psig		psig		psig		
5 minutes	1220	psig		psig		psig		
10 minutes	1220	psig	W.	psig		psig		
15 minutes	1220	psig		psig		psig		
20 minutes	1200	psig		psig		psig		
25 minutes	1220	psig		psig		psig		
30 minutes	1220	psig		psig		psig		
minutes		psig		psig		psig		
minutes		psig		psig		psig		
RESULT	Pass	[ ]Fail	[ ] Pass	[ ]Fail	[ ] Pass [	]Fail		
Ooes the annulus pressure build back up after the test? [ ] Yes [X] No								

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness:			
	RECEIVED Oct.	10, 2011	



#### Division of Oil, Gas and Mining

COMMENTS:

### OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING	
CDW	

<u> </u>	The operator of the well(s) listed below has changed, effective:			<del></del>	Operator Name Change/Merger 2/1/2012				
	OM: (Old Operator):			-	TO: ( New O	navatav).	2/1/2012		
	695- Newfield Production Company						om Moldings II	0	
	1 17th Street Ste 2000				1875 Lawrence		am Holdings, LL	.C	
	ever CO 80202				Denver CO 802		200		
					Benver co doz	202			
Pho	ne: 1 (435) 646-3031				Phone: 1 (720)	420-3200			
	CA No.				Unit:		Horseshoe	Bend Unit	
WE	LL NAME S	SEC TY	WN	RNG	API NO	ENTITY	LEASE TYPE	WELL	WELL
ļ						NO		TYPE	STATUS
	STIRRUP ST 32-6	32   06	6S	21E	4304732784	12323	State	WI	A
	PERATOR CHANGES DOCUMENTA er date after each listed item is completed (R649-8-10) Sundry or legal documentation was			om the	FORMER ope	erator on:	1/23/2012		
2.	(R649-8-10) Sundry or legal documentation was	receive	ed fro	om the	NEW operator	on:	1/23/2012	•	
3.	The new company was checked on the Departm	ent of C	Com	merce	e, Division of Co	orporation	s Database on:	-	2/28/2012
4a.	Is the new operator registered in the State of Ut				Business Numb	oer:	7794804-0161	_	
5a.	(R649-9-2)Waste Management Plan has been rec	eived o	n:		Yes	_			
	Inspections of LA PA state/fee well sites comple				N/A	- -			
5c.	Reports current for Production/Disposition & Su				Yes	_			
6.	Federal and Indian Lease Wells: The BLM					e merger, na	ame change,		
	or operator change for all wells listed on Federal	or Indi	ian le	eases c	on:	BLM	Not Yet	BIA	_
7.	Federal and Indian Units:								
	The BLM or BIA has approved the successor	of unit c	pera	ator for	r wells listed on	:	Not Yet	-	
8.	Federal and Indian Communization Agr	eemen	ts ('	'CA"	):				
	The BLM or BIA has approved the operator for						N/A	_	
9.	<b>Underground Injection Control ("UIC")</b>	Divis	ion l	has ap	pproved UIC F	orm 5 Tra	nsfer of Author	rity to	
	Inject, for the enhanced/secondary recovery uni	t/projec	t for	the wa	ater disposal we	ll(s) listed o	on:	3/6/2012	_
DA	ATA ENTRY:								
1.	Changes entered in the Oil and Gas Database of				3/6/2012	_			
2.				nge Sp			3/30/2012	_	
3.	Bond information entered in RBDMS on:				2/28/2012	_			
4.	Fee/State wells attached to bond in RBDMS on:				2/28/2012	_			
5.	Injection Projects to new operator in RBDMS of Receipt of Acceptance of Drilling Procedures for		NI	oni	N/A	- 2/20/2012	•		
6. <b>D</b> (	-	I APD/	INEW	OII.		2/29/2012	<u>-</u>		
_	OND VERIFICATION:				LITDOOO496				
1. 2.	Federal well(s) covered by Bond Number: Indian well(s) covered by Bond Number:				UTB000486 N/A	_			
2. 3a.		well(s)	licte	ed cov		_ iimher	LPM9032132		
	The <b>FORMER</b> operator has requested a release				*			-	
	ASE INTEREST OWNER NOTIFICATION OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE PORT OF THE POR		-	moni l	nen bond on:	N/A	_		
	(R649-2-10) The <b>NEW</b> operator of the fee wells			ntanto	d and informed t	av a lattar £	om the Division		
т.	of their responsibility to notify all interest owner					2/28/2012			

	STATE OF UTA DEPARTMENT OF NATURAL F				FORM 9
	DIVISION OF OIL, GAS AT			5. LEASE DESIGN	ATION AND SERIAL NUMBER:
SUNDR	Y NOTICES AND REP	ORTS ON WE	LLS	i i	OTTEE OR TRIBE NAME:
Do not use this form for account to dill	I manuscribe at 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Manual de la 100 Man			7. UNIT or CA AGE	
drill horizontal	new wells, significantly deepen existing wells laterals. Use APPLICATION FOR PERMIT TO	Delow current bottom-hole de O DRILL form for such propo	epth, reenter plugged wells, or to sals.	JLL ATTA	
OIL WELL	GAS WELL O	THER SEE ATTAC	CHMENT	8. WELL NAME an	
2. NAME OF OPERATOR:  UTE ENERGY UPSTREA	AM HOLDINGS LLC \(\lambda\)	13730		9. API NUMBER: SEE ATTA	CHMENT
3. ADDRESS OF OPERATOR: 375 LAWRENCE STREET, Ste 200 _{CI}		O _{ZIP} 80202	PHONE NUMBER: (720) 420-3200	10. FIELD AND PO	OOL, OR WILDCAT:
4. LOCATION OF WELL	IT SIAIE	ZIPOZOZ	1 (120) 420 0200	- OLL / (1)	
FOOTAGES AT SURFACE: SEE	ATTACHMENT			COUNTY: UIN	TAH
QTR/QTR, SECTION, TOWNSHIP, RA	NGE, MERIDIAN:			STATE:	UTAH
	PROPRIATE BOXES TO INI	DICATE NATURE	OF NOTICE, REP	PORT, OR OTH	ER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
NOTICE OF INTENT (Submit in Duplicate)	ACIDIZE	DEEPEN			RATE CURRENT FORMATION
Approximate date work will start:	ALTER CASING  CASING REPAIR	☐ FRACTUR			CK TO REPAIR WELL
**	CHANGE TO PREVIOUS PLANS		ISTRUCTION		RILY ABANDON
2/1/2012	CHANGE TUBING		OR CHANGE	TUBING R	
SUBSEQUENT REPORT	CHANGE YOUNG  CHANGE WELL NAME		O ABANDON	U VENT OR	
(Submit Original Form Only)	CHANGE WELL STATUS	PLUG BAC		☐ WATER DI	
Date of work completion:	COMMINGLE PRODUCING FORM		TION (START/RESUME)	☐ WATER SI	101-OFF
	CONVERT WELL TYPE		ETE - DIFFERENT FORMATIO	OTHER: _	
Effective 02/01/2012, Ute The previous owner/opera	Newfield Production 1001 17th Street, Sui Denver, CO 80202	LC will take over o  Company N a  te 2000	perations of the refer えんりち	enced wells.	
	e Energy Upstream Holdings Lortion thereof under State Bond				
	roduction Company				
Print Name: Daryll T. Ho	ward	Title: S	r. Vice President	<del></del>	
Seller Signature:	1. Flowar	Date:			·
NAME (PLEASE PRINT)	y Upstream Holdings LLC	тіт	Vice Preside	m <del>nt of Land</del> Jpstream Holdi	1//30/11 ings LLC
SIGNATURE / SUM 7		DA	1E		
(This space for State use only)				and the second	eries and appearant to the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec

(5/2000)

APPROVED 31612012

Coulcul Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED JAN 2 3 2012

DIV. OF OIL, GAS & MINING

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT			
Well Name and Number Stirrup St 32-6			API Number 4304732784
Location of Well			Field or Unit Name
Footage: 850' FNL, 800' FEL		County: Uintah	Horseshoe Bend
QQ, Section, Township, Range: NENE 32 6S	21E	State: UTAH	Lease Designation and Number ML-22036

EFFECTIVE DATE OF TRANSFER: 2/1/2012

CURRENT OF	PERATOR			
Company:	Newfield Produc	ction Company	_ Name:	Kelly L Donohoue
Address:	1001 17th Stree	t, Suite 2000	_ Signature:	Kelly & Mallie
	city Denver	state CO zip 80202	_ Title:	Attorney-in-Fact
Phone:	(303) 893-0102		_ Date:	2-16-12
Comments	. N	2695		

EW OPERA	TOR	
Company:	Ute Energy Upstream Holdings LLC	Name: Todd Kalstrom
Address:	1875 Lawrence Street, Suite 200	Signature: Todal Kalehant
	city Denver state CO zip 80202	Title: Vice President of Land
Phone:	(720) 420-3200	Date: 2-17-2012
Comments	: N3736	

(This space for State use only)

Transfer approved by:

Title:

Approval Date:

Approvai Date.

Comments:

required

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FEB 2 2 2012

(5/2000)

Dly. of Oil, Gas & Mining

FORM 3160-5 (August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31,2010

Do not use t	Y NOTICES AND REPO this form for proposals to rell. Use Form 3160-3 (AF	<b>3.</b>	UTAH STATE 6. If Indian, Allot		
1. Type of Well	TRIPLICATE - Other I	nstructions on page 2		7. If Unit or CA// HORSESHOE E	Agreement, Name and/or BEND UNIT
Oil Well Gas Well  Name of Operator NEWFIELD PRODUCTION CO	Other			8. Well Name and STIRRUP STAT	
3a Address Route 3 Box 3630 Myton, UT 84052	·	3b Phone (include are 435 646 372)	e code)	9 API Well No. 4304732784 10 Field and Poo	l, or Exploratory Area
850 FNL 800 FEL	Sec., T., R., M., or Survey Descrip	otion)		HORSESHOE E	<del></del>
NENE Section 32 T6S R21E  12. CHECK	K APPROPRIATE BOX(E	S) TO INIDICATE NA	TURE OF N	UINTAH, UT OTICE, OR OT	HER DATA
TYPE OF SUBMISSION		TYP	E OF ACTION		
■ Notice of Intent ■ Subsequent Report	Acidize Alter Casing Casing Repair Change Plans	Deepen Fracture Treat New Construction Plug & Abandon	Reclamate		Water Shut-Off Well Integrity Other Five Year MIT
Final Abandonment	Convert to Injector	Plug Back	Water Di	enceal	***************************************

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleted in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 10/07/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 10/07/2011 the casing was pressured up to 1220 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 474 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20809-04345

I hereby certify that the foregoing is true and correct (Printed/ Typed)	Title					
Lucy Chavez-Naupoto	Water Services Technician					
Signature Ruay Con 4 Dot	Date 10/10/2011					
THIS SPACE FOR FEI	DERAL OR STATE OFFIC	E USE				
Approved by	Title	Date				
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	Office				

Title 18 U S C. Section 1001 and Title 43 U S C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Child Live Light States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

MAR 0 6 2012



3180 UT922100

## **United States Department of the Interior**

BUREAU OF LAND MANAGEMENT **Utah State Office** P.O. Box 45155

Salt Lake City, UT 84145-0155 http://www.blm.gov/ut/st/en.html



RECEIVED

IIIN 1 2 2012

DIV. OF OIL GAS & MINING

Shrrup State

Re:

Successor Unit Operator Horseshoe Bend (GR) Unit Agreement No. UTU76783X Uintah County, Utah

Dear Ms. Patton:

IN REPLY REFER TO:

Ute Energy, LLC

Denver, CO 80202

Attn: Ms. Jamie Patton

1875 Lawrence Street, Suite 200

On May 24, 2012, we received an indenture dated May 22, 2012, whereby Newfield Production Company resigned as Unit Operator and Ute Energy Upstream Holdings, LLC, was designated as Successor Unit Operator for the Horseshoe Bend (GR) Unit, Uintah County, Utah. The indenture was executed by both parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement.

The instrument is hereby approved. In approving this designation, the BLM Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Horseshoe Bend (GR) Unit Agreement.

Your statewide oil and gas bond, No UTB000486, will be used to cover unit operations. It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate Federal offices, with one copy returned herewith.

If you have any questions, please contact Judy Nordstrom at 801-539-4108.

Sincerely,

Roger L. Bankert

Chief, Branch of Minerals

Rope 2 Barbert

**Enclosure** 

# Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING	
CDW	

X - Change of Operator (Well Sold)		Operator Na	me Chan	ge/Merger						
The operator of the well(s) listed below has cha	inged, e	ffective	e:			11/30/2012				
FROM: (Old Operator): N3730- Ute Energy Upstream Holdings, LLC 1875 Lawrence Street, Suite 200 Denver, CO 80212 Phone: 1 (720) 420-3238				TO: (New Operator): N3935- Crescent Point Energy U.S. Corp 555 17th Street, Suite 750 Denver, CO 80202  Phone: 1 (720) 880-3610						
The operator of the well(s) listed below has changed, effective:  ROM: (Old Operator): 730- Ute Energy Upstream Holdings, LLC 75 Lawrence Street, Suite 200  Aver, CO 80212  Dene: 1 (720) 420-3238  CA No.  ELL NAME  SEC TWN RI  Attached List  PERATOR CHANGES DOCUMENTATION  SEC Attached List  PERATOR CHANGES DOCUMENTATION  SEC Attached List  PERATOR CHANGES DOCUMENTATION  SEC Attached List  PERATOR CHANGES DOCUMENTATION  SEC TWN RI  Attached List  PERATOR CHANGES DOCUMENTATION  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC TWN RI  SEC T			Unit:	Horseshoe	Rend					
WELL NAME		TWN	RNG			LEASE TYPE	WELL TYPE	WELL STATUS		
See Attached List								SIATUS		
Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation v 2. (R649-8-10) Sundry or legal documentation v	was rece	ived fr	om the	NEW operator	on:	2/1/2013 2/1/2013				
		oi Com	ımerce	Business Numb	-	7838513-0143		2/11/2013		
		d on:		Yes	ж.	7636313-0143	•			
<ul> <li>5c. Reports current for Production/Disposition &amp;</li> <li>6. Federal and Indian Lease Wells: The Boot or operator change for all wells listed on Federal</li> </ul>	Sundrie	es on: d or the			merger, na	0 ,	BIA	Not Yet		
	or of un	it anam	atan fa	m valla listad am		<b>N</b> T/A		•		
		-			•	N/A	•			
The BLM or BIA has approved the operator	r for all	wells 1	isted v	vithin a CA on:	orm 5 Trai	N/A nsfer of Author	rity to			
	unit/pro	ject for	the wa	ater disposal we	ll(s) listed o	n:	2/12/2013			
DATA ENTRY:										
<ol> <li>Changes have been entered on the Monthly 0</li> <li>Bond information entered in RBDMS on:</li> <li>Fee/State wells attached to bond in RBDMS</li> </ol>	Operato	or Cha	nge Sp	2/25/2013 bread Sheet on: 1/15/2013 2/26/2013 N/A	- - -	2/25/2013				
	s for AP	D/New	on:		N/A	_				
<ol> <li>Federal well(s) covered by Bond Number:</li> <li>Indian well(s) covered by Bond Number:</li> <li>(R649-3-1) The NEW operator of any state.</li> </ol>				•	- - umber Not Yet	LPM 9080271	-			
						_				
4. (R649-2-10) The NEW operator of the fee we of their responsibility to notify all interest ow COMMENTS:	lls has b	een co			by a letter fr N/A	om the Division				

# Ute Energy Upstream Holding, LLC (N3730) to Crescent Point Energy U.S. Corp (N3935) Effective 11/30/2012 Horseshoe Bend Unit

Well Name	SECTION	TWN	RNG	API Number	Entity	Lesase Type	Well Type	Well Status
STIRRUP ST 32-6	32	060S	210E	4304732784	12323	State	·WI	Δ
STIRRUP STATE 32-2	32	060S	210E	4304731626		de	OW	: P
FEDERAL 33-4-D	33	060S	210E	4304731623		Federal	OW	
STIRRUP FEDERAL 29-3	29	060S	210E	4304731634	and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and t	Federal	OW	S.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	9	5. LEASE DESIGNATION AND SERIAL NUMBER: See Attachment
SUNDRY NOTICES AND REPORTS OF	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen syicting wells helper accept here.	too bala danth marker along to the	See Attachment 7. UNIT or CA AGREEMENT NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bot drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for 1. TYPE OF WELL	such proposals.	See Attachment
OIL WELL GAS WELL OTHER		8. WELL NAME and NUMBER: See Attachment
2. NAME OF OPERATOR: Crescent Point Energy U.S. Corp リスロスに		9. API NUMBER:
3. ADDRESS OF OPERATOR:	PHONE NUMBER:	See Attach  10. FIELD AND POOL, OR WILDCAT:
555 17th Street, Suite 750 CITY Denver STATE CO ZIP 8020	02 (720) 880-3610	See Attachment
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attachment		соинту: Uintah
- Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Comp		COUNTY: OIRCAIT
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NA	ATURE OF NOTICE REPOR	
TYPE OF SUBMISSION	TYPE OF ACTION	CI, OR OTHER DATA
NOTICE OF INTENT	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
☐ CHANGE TUBING ☐ SUBSEQUENT REPORT ☐ CHANGE WELL NAME	PLUG AND ABANDON PLUG BACK	VENT OR FLARE
(Submit Original Form Only) CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER DISPOSAL  WATER SHUT-OFF
Date of work completion:  COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER:
11/30/2012 CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent	it details including dates, depths, volumes	s, etc.
Effective 11/30/2012, Crescent Point Energy U.S. Corp took over owner/operator was:	er operations of the reference	•
Ute Energy Upstream Holding 1875 Lawrence Street, Suite	gs LLC N 3730	
Denver, CO 80212		
Effective 11/30/2012, Crescent Point Energy U.S. Corp is response operations conducted on the leased lands or a portion thereof u	nsible under the terms and conder State Bond Nos. LPM90	onditions of the leases for 080271 and LPM 9080272 and
BLM Bond No. LPM9080275. BIA Bond No		
Ute Energy Upstream Holding LLC		
	itle: TREASURER	
Celler digitature.	Date: 1/11/2013	
(		
NAME (PLEASE PRINT) Kent Mitchell	TITLE Presider	+
SIGNATURE SIGNATURE	DATE	;
This space for State use only)	RECEIVED	DECP!!
APPROVED	ILUCIVED	RECEIVED
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(See Instructions on Rever State of Oil, Gas & Mining

DIV. OF OIL, GAS & MAING Original recoacte

(5/2000)

# Drilled Wells

API	<u>Well</u>	Qtr/Qtr	<u>Section</u>	Ţ	R	Well Status	Well Type	Mineral Lease
4304715590	East Gusher Unit 3	NWNE	10	6S	20E	Producing Well	Oil Well	State -
4304715800	Horseshoe Bend 2	NWNE	03	<b>7</b> S	21E	Producing Well	Oil Well	Federal -
4304730034	Fed Miller 1	NWSW	04	7S	22E	Producing Well	Gas Well	Federal -
4304730831	Baser Draw 1-31	NWSW	31	6S	22E	Producing Well	Gas Well	Federal -
4304731304	Coors 14-1-D	NWNW	14	75	21E	Producing Well	Gas Well	Federal -
4304731467	Federal 34-2-K	NESW	34	65	21E	Producing Well	Oil Well	Federal -
4304731468	Federal 33-1-I	NESE	33	6S	21E	Producing Well	Oil Well	Federal -
4304731482	Horseshoe Bend St 36-1	SESE	36	65	21E	Producing Well	Gas Well	State -
4304731588	L C K 30-1-H	SENE	30	6\$	21E	Producing Well	Oil Well	FEE -
4304731626	Stirrup State 32-2	SENE	32	6\$	21E	Producing Well	Oil Well	State –
4304731643	Cotton Club 1	NENE	31	6S	21E	Producing Well	Oil Well	Federal >
4304731698	Anna Belle 31-2-J	NWSE	31	6S	21E	Producing Well	Oil Well	FEE -
4304731834	Baser Draw 6-1	NWNW	06	7S	22E	Producing Well	Gas Well	Federal ~
4304731853	Federal 4-2-F	SENW	04	7S	21E	Producing Well	Oil Well	Federal -
4304732009	Coors Federal 2-10HB	SWNE	10	7S	21E	Producing Well	Gas Well	Federal ~
4304732850	Government 12-14	NWSW	14	6S	20E	Producing Well	Oil Well	Federal -
4304733691	Gose Federal 3-18	swsw	18	6S	21E	Producing Well	Oil Well	Federal -
4304737475	Gusher Fed 16-14-6-20	SESE	14	6S	20E	Producing Well	Oil Well	Federal -
4304737556	Gusher Fed 6-24-6-20	SENW	24	6S	20E	Producing Well	Oil Well	Federal -
4304737557	Federal 2-25-6-20	NWNE	25	6S	20E	Producing Well	Oil Well	Federal -
4304737558	Federal 6-11-6-20	SENW	11	6S	20E	Producing Well	Oil Well	Federal -
4304737559	Federal 5-19-6-21	SWNW	19	6S	21E	Producing Well	Oil Well	Federal -
4304737560	Federal 6-30-6-21	SENW	30	6S	21E	Producing Well	Oil Well	Federal -
4304738400	Huber Fed 26-24	SENE	26	5S	19E	Producing Well	Oil Well	Federal _
4304738403	Gusher Fed 5-13-6-20	SWNW	13	6S	20E	Producing Well	Oil Well	Federal ~
4304738996	Federal 8-13-6-20	SENE	13	6\$	20E	Producing Well	Oil Well	Federal =
4304738997	Federal 14-13-6-20	SESW	13	<b>6</b> S	20E	Producing Well	Oil Well	Federal -
4304738998	Federal 14-12-6-20	SESW	12	6S	20E	Producing Well	Oil Well	Federal -
4304738999	Federal 2-14-6-20	NWNE	14	65	20E	Producing Well	Oil Well	Federal -
4304739000	Federal 8-23-6-20	SENE	23	6S	20E	Producing Well	Oil Well	Federal _
4304739076	Federal 8-24-6-20	SENE	24	6S	20E	Producing Well	Oil Well	Federal
4304739078	Federal 14-24-6-20	SESW	24	6S	20E	Producing Well	Oil Well	Federal ~
4304739079	Federal 14-19-6-21	SESW	19	65	21E	Producing Well	Oil Well	Federal -
4304740487	Federal 16-13-6-20	SESE	13	6\$	20E	Producing Well	Oil Well	Federal _
4304750406	Federal 2-26-6-20	NWNE	26	6S	20E	Producing Well	Oil Well	Federal -
4304750407	Federal 4-9-6-20	NWNW	09	6S	20E	Producing Well	Oil Well	Federal -
4304750408	Federal 8-8-6-20	SENE	08	6S	20E	Producing Well	Oil Well	Federal -
4304750414	Federal 2-17-6-20	NWNE	17	6S	20E	Producing Well	Oil Well	Federal -
4304751228	Federal 2-23-6-20	NWNE	23	6S	20E	Producing Well	Oil Well	Federal -
4304751229	Federal 10-23-6-20	NWSE	23	6S	20E	Producing Well	Oil Well	Federal *
4304751232	Federal 2-24-6-20	NWNE	24	6S	20E	Producing Well	Oil Well	Federal -
4304751233	Federal 4-24-6-20	NWNW	24	6S	20E	Producing Well	Oil Well	Federal -
4304751234	Federal 4-25-6-20	NWNW	25	6S	20E	Producing Well	Oil Well	Federal

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Federal 16-23-6-20	SESE	23	6S	20E	Producing Well	Oil Well	Federal -
Federal 12-24-6-20	NWSW	24	6S	20E		Oil Well	Federal -
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					Producing Well	Oil Well	BIA -
Coleman Tribal 5-18-4-2E	SW NW	18	45	2E	Producing Well	Oil Well	BIA -
Coleman Tribal 6-18-4-2E	SE NW	18	45	2E	Producing Well	Oil Well	BIA ~
ULT 12-6-4-2E	NW SW	6	45	2E	Producing Well	Oil Well	FEE -
ULT 10-6-4-2E	NW SE	6	45	2E	Producing Well	Oil Well	FEE
ULT 16-6-4-2E	SE SE	6	45	2E	Producing Well	Oil Well	FEE
ULT 14-6-4-2E	SE SW	6	45	2E	Producing Well	Oil Well	FEE -
ULT 14-31-3-2E	SE SW	31	35	2E	Producing Well	Oil Well	FEE -
ULT 5-36-3-1E	SW NW	36	35	1E	Producing Well	Oil Well	FEE .
ULT 16-36-3-1E	SE SE	36	3\$	1E	Producing Well	Oil Well	FEE ~
ULT 12-31-3-2E	NW SW	31	3S	2E	Producing Well	Oil Well	FEE -
ULT 14-36-3-1E	SE SW	36	3S	1.E	Producing Well	Oil Well	FEE .
ULT 14-25-3-1E	SE SW	25	35	1E	Producing Well	Oil Well	FEE
ULT 11-5-4-2E	NE SW	5	<b>4</b> S	2E	Producing Well	Oil Well	FEE
Deep Creek 16-25-3-1E	SE SE	25	3\$	1E	Producing Well	Oil Well	FEE
ULT 16-26-3-1E	SE SE	26	3S	1E	Producing Well	Oil Well	FEE -
Senatore 5-25-3-1E	SW NW	25	3S	1E		Oil Well	FEE
Marsh 14-35-3-1E	SE SW	35	35	1E		Oil Well	FEE
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							FEE -
ULT 14-26-3-1E	SE SW	26	35		Producing Well	Oil Well	
U = 1 4 T & U U I = E	1 35344				TOUMONG TYCH	Tou Men	FEE -
Coleman Tribal 5-7-4-2E	SW NW	7	48	2E	Producing Well	Oil Well	BIA
	Federal 12-24-6-20  Knight 16-30  Eliason 6-30  Knight 14-30  ULT 4-31  Deep Creek 2-31  Deep Creek 8-31  ULT 12-29  Eliason 12-30  Coleman Tribal 11-18-4-2E  Coleman Tribal 2-18-4-2E  Coleman Tribal 13-18-4-2E  Coleman Tribal 13-18-4-2E  Coleman Tribal 14-18-4-2E  Coleman Tribal 15-18-4-2E  Coleman Tribal 15-18-4-2E  Ute Tribal 6-9-4-2E  Ute Tribal 10-5-4-2E  Ute Tribal 10-5-4-2E  Ute Tribal 10-30-3-2E  Coleman Tribal 5-18-4-2E  Ute Tribal 6-18-4-2E  Ute Tribal 6-32-3-2E  Ute Tribal 10-30-3-2E  Coleman Tribal 5-18-4-2E  Ute Tribal 10-30-3-2E  Ute Tribal 10-30-3-2E  Ute Tribal 10-30-3-2E  Ute Tribal 5-18-4-2E  ULT 12-6-4-2E  ULT 14-6-4-2E  ULT 14-6-4-2E  ULT 14-31-3-2E  ULT 14-36-3-1E  ULT 14-36-3-1E  ULT 14-25-3-1E  ULT 15-26-3-1E  Senatore 5-25-3-1E  Marsh 14-35-3-1E  ULT 7-26-3-1E  Szyndrowski 5-27-3-1E	Federal 12-24-6-20   NWSW	Federal 12-24-6-20	Federal 12-24-6-20	Federal 12-24-6-20   NWSW   24   65   20E	Federal 12-24-6-20	Federal 12-24-6-20   NWSW   24   6S   20E   Producing Well   Oil Well

- 46 4304751660 ULT 7-35-3-1E SW NF 35 Oil Well 35 1E Producing Well FEE 4304751728 Coleman Tribal 7-7-4-2E SW NE 7 Oil Well BIA 45 **Producing Well** 4304751895 NW NW 36 Oil Well ULT 4-36-3-1E 35 **Producing Well** FEE 4304751729 Deep Creek Tribal 9-7-4-2E NE SE Oil Well 7 45 2E **Producing Well** BIA 4304751746 Deep Creek Tribal 13-7-4-2E SW SW 7 45 2E Oil Well BIA -. Producing Well 4304751998 Coleman Tribal 3-18-4-2E NE NW 18 45 Producing Well Oil Well BIA - -4304751730 Coleman Tribal 3-8-4-2E NE NW 8 45 2E **Producing Well** Oil Well BIA --4304752001 Coleman Tribal 1-18-4-2E NE NE 18 Oil Well BIA 45 2E Producing Well 4304752004 Coleman Tribal 12-18-4-2E NW SW 18 45 **Producing Well** Oil Well BIA - -4304751999 Coleman Tribal 4-18-4-2E NW NW 18 45 2E Producing Well Oil Well BIA - ... 4304752000 Coleman Tribal 7-18-4-2E SW NE 18 Oil Well 45 2E **Producing Well** BIA - -100 4304751727 Coleman Tribal 1-8-4-2E Oil Well NE NE 8 45 Producing Well BIA . 4304751732 Deep Creek Tribal 13-8-4-2E SW SW 8 45 2E **Producing Well** Oil Well BIA -4304751740-5172 Coleman Tribal 12-17-4-2E (Lot 6) NW SW 17 45 **Producing Well** Oil Well BIA 2E 4304752002 Coleman Tribal 3-7-4-2E NE NW 7 45 **Producing Well** Oil Well BIA 4304751734 Deep Creek Tribal 15-8-4-2E SW SE 8 45 2E **Producing Well** Oil Well BIA 4304751738 Coleman Tribal 15-17-4-2E SW SE 17 45 Oil Well BIA 2E **Producing Well** 4304751735 SE NW 17 Deep Creek Tribal 6-17-4-2E 45 **Producing Well** Oil Well BIA 4304751736 Deep Creek Tribal 8-17-4-2E SE NE 17 45 2E **Producing Well** Oil Well BIA 4304752047 ULT 11-26-3-1E NE SW 26 Oil Well FEE 35 1E Producing Well 4304751575 SW SW Deep Creek 13-32-3-2E 32 3\$ 2E Producing Well Oil Well FEE _ 4304751664 Deep Creek 11-32-3-2E **NE SW** 32 Oil Well 35 2E **Producing Well** FEE Ute Energy 11-27-3-1E 4304752119 **NE SW** 27 35 1E Producing Well Oil Well FEE 4304752120 Ute Energy 15-27-3-1E SW SE 27 3S 1E Producing Well Oil Well FEE ... 4304752118 Ute Energy 10-27-3-1E NW SE 27 35 1E Producing Well Oil Well FEE 4304752122 SE SW 27 Ute Energy 14-27-3-1E Oil Well FEE 3\$ 1E Producing Well 4304751654 SW NW 34 ULT 5-34-3-1E 3\$ 1E Producing Well Oil Well FEE 4304751655 ULT 7-34-3-1E SW NE 34 3\$ 1E Producing Well Oil Well FEE 4304751656 ULT 16-34-3-1E SE SE 34 Oil Well FEE 35 1E **Producing Well** 4304751898 36 ULT 2-36-3-1E NW NE 35 1E Producing Well Oil Well FEE 4304751650 ULT 5-26-3-1E SW NW 26 35 1E **Producing Well** Oil Well FEE 1 2.d 4304751754 Marsh 13-35-3-1E SW SW 35 35 1E Producing Well Oil Well FEE 4304751897 ULT 6-36-3-1E SE NW 36 35 1E Producing Well Oil Well FEE 4304751891 ULT 12-26-3-1E NW SW Oil Well 26 3S 1E Producing Well FEE 4304751887 ULT 13-26-3-1E SW SW 26 **Producing Well** Oil Well FEE 35 1E 4304751875 ULT 10-26-3-1E NW SE 26 Oil Well FEE 35 1E **Producing Well** -4304751918 Gavitte 13-23-3-1F SW SW 23 Oil Well 35 1E Producing Well FEE 4304751662 Deep Creek 2-30-3-2E NW NE 30 Oil Well FEE 35 2E Producing Well 4304751917 Gavitte 3-26-3-1E NE NW 26 35 1E FEE **Producing Well** Oil Well -4304751661 ULT 6-31-3-2E SE NW 31 35 2E **Producing Well** Oil Well FEE -4304751663 Deep Creek 4-30-3-2E NW NW 30 35 2E **Producing Well** Oil Well FEE 130 4304752121 Ute Energy 6-27-3-1E SE NW 27 35 1E Oil Well FEE **Producing Well** -Ute Energy 7-27-3-1E 4304752117 SW NE 27 3\$ 1E **Producing Well** Oil Well FEE 4304751920 SW SW 24 Oil Well FEE Deep Creek 13-24-3-1E 35 1E **Producing Well** NE NE 4304751756 ULT 1-34-3-1E 34 35 1E **Producing Well** Oil Well FEE . 4304751888 ULT 15-26-3-1E SW SE Oil Well 26 35 1E Producing Well FEE

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4304751874	ULT 6-26-3-1E	SE NW	26	3S	1E	Producing Well	Oil Well	FEE .
4304752194	Ute Tribal 4-32-3-2E	NW NW	32	3\$	2E	Producing Well	Oil Well	BIA -
4304752193	Ute Tribal 8-30-3-2E	SE NE	30	35	2E	Producing Well	Oil Well	BIA ~
4304752221	Deep Creek Tribal 1-26-3-1E	NE NE	26	3S	1E	Producing Well	Oil Well	BIA ~
4304752009	Deep Creek Tribal 11-7-4-2E	NE SW	7	45	2E	Producing Well	Oil Well	BIA 140
4304752008	Deep Creek Tribal 11-8-4-2E	NE SW	8	45	2E	Producing Well	Oil Well	BIA •
4304752010	Deep Creek Tribal 15-7-4-2E	SW SE	7	45	2E	Producing Well	Oil Well	BIA -
4304752041	Gavitte 4-26-3-1E	NW NW	26	35	1E	Producing Well	Oil Well	FEE -
4304752132	Szyndrowski 8-28-3-1E	SE NE	28	35	1E	Producing Well	Oil Well	FEE -
4304752128	Szyndrowski 9-28-3-1E	NE SE	28	35	1E	Producing Well	Oil Well	FEE -
4304752127	Szyndrowski 15-28-3-1E	SW SE	28	3\$	1E	Producing Well	Oil Well	FEE _
4304738932	Ouray Valley Fed 3-41	SW SW	3	6S	19E	Producing Well	Oil Well	Federal _
4304751227	Federal 10-22-6-20	NW SE	22	6S	20E	Producing Well	Oil Well	Federal -
4304751230	Federal 12-23-6-20	NW SW	23	6S	20E	Producing Well	Oil Well	Federal -
4304751231	Federal 14-23-6-20	SE SW	23	6S	20E	Producing Well	Oif Well	Federal 150
4304751235	Federal 12-25-6-20	NW SW	25	6S	20E	Producing Well	Oil Well	Federal -
4304752432	Bowers 4-6-4-2E	(Lot 4) NW NW	6	45	2E	Producing Well	Oil Well	FEE -
4304752131	Szyndrowski 7-28-3-1E	SW NE	28	35	1E	Producing Well	Oil Well	FEE -
4304752293	ULT 7X-36-3-1E	SW NE	36	35	1E	Producing Well	Oil Well	FEE -
4304750404	Federal 12-5-6-20	NW SW	5	6S	20E	Producing Well	Oil Well	Federal ~
1304752116	Szyndrowski 12-27-3-1E	NW SW	27	35	1E	Producing Well	Oil Well	FEE -
1304751236	Federal 10-26-6-20	NW SE	26	68	20E	Producing Well	Oil Well	Federal -
4304752126	Szyndrowski 16-28-3-1E	SE SE	28	35	1E	Producing Well	Oil Well	FEE _
4304752040	Gavitte 2-26-3-1E	NW NE	26	35	1E	Producing Well	Oil Well	FEE
1304751889	Deep Creek 11-25-3-1E	NE SW	25	35	1E	Producing Well	Oil Well	FEE 166
4304751924	ULT 8-26-3-1E	SE NE	26	3S	1E	Producing Well	Oil Well	FEE
1304751925	Deep Creek 2-25-3-1E	NW NE	25	35	1E	Producing Well	Oil Well	FEE -
1304752456	Gavitte 1-27-3-1E	NE NE	27	35	1E	Producing Well	Oil Well	FEE _
1304752454	Gavitte 2-27-3-1E	NW NE	27	35	1E	Producing Well	Oil Well	FEE -
1304752457	Szyndrowski 13-27-3-1E	SW SW	0	35	1E	Producing Well	Oil Well	FEE - 165
1304751937	Coleman Tribal 1-7-4-2E	NE NE	7	45	2E	Drilled/WOC	Oil Well	BIA
1304751946	Coleman Tribal 5-8-4-2E	SW NW	8	4S	2E	Drilled/WOC	Oil Well	BIA
1304752007	Deep Creek Tribal 9-8-4-2E	NE SE	8	45	2E	Drilled/WOC	Oil Well	BIA
1304751582	Deep Creek 7-25-3-1E	SW NE	25	3\$	1E	Drilled/WOC	Oil Well	FEE
1304751751	ULT 1-36-3-1E	NE NE	36	3\$	1E	Drilled/WOC	Oil Well	FEE
1304752130	Szyndrowski 10-28-3-1E	NW SE	28	35	1E	Drilled/WOC	Oil Well	FEE
1304751901	ULT 13-36-3-1E	SW SW	36	3\$	1E	Drilled/WOC	Oil Well	FEE
1304751902	ULT 15-36-3-1E	SW SE	36	3S	1E	Drilled/WOC	Oil Well	FEE
1304751900	ULT 9-36-3-1E	NE SE	36	3\$	1E	Drilled/WOC	Oil Well	FEE
1304752458	ULT 2-34-3-1E	NE SW	34	35	1E	Drilled/WOC	Oil Well	FEE
1304752220	Deep Creek Tribal 16-23-3-1E	SE SE	23	35	1E	Drilled/WOC	Oil Well	BIA
1304752459	ULT 4-34-3-1E	NW NW	34	3\$	1E	Drilled/WOC	Oil Well	FEE
1304752460	ULT 6-34-3-1E	SE NW	34	35	1E	Drilled/WOC	Oil Well	FEE
304752461	ULT 8-34-3-1E	SE NE	34	3S	1E	Drilled/WOC	Oil Well	FEE
1304739644	Ouray Valley Federal 1-42-6-19	SE SW	1	6S	19E	Drilled/WOC	Oil Well	Federal
1304739643	Ouray Valley Federal 1-22-6-19	SE NW	1	6S	19E	Drilling	Oil Well	Federal
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4304752419	Bowers 1-6-4-2E	(Lot 1) NE NE	6	45	2E	Spud, not yet drilled	Oil Well	FEE
4304752420	Bowers 2-6-4-2E	(Lot 2) NW NE	6	45	2E	Spud, not yet drilled	Oil Well	FEE
4304752421	Bowers 3-6-4-2E	(Lot 3) NE NW	6	45	2E	Spud, not yet drilled	Oil Well	FEE
4304732784	Stirrup St 32-6	NENE	32	6S	21E	Active	Water Injection	State
4304731431	E Gusher 2-1A	swsw	03	6S	20E	Temporarily -Abandoned	Oil Well	Federal
4304732333	Federal 11-1-M	swsw	11	6S	20E	Temporarily -Abandoned	Oil Well	Federal
4304739641	Ouray Vly St 36-11-5-19	NWNW	36	58	19E	Shut-In	Oil Well	State
4304733833	Horseshoe Bend Fed 11-1	NWNE	11	75	21E	Shut-In	Gas Well	Federal
4304731903	Federal 5-5-H	SENE	05	7\$	21E	Shut-in	Oil Well	Federal
4304732709	Government 10-14	NWSE	14	6S	20E	Shut-In	Oil Well	Federal
4304731647	Federal 21-I-P	SESE	21	68	21E	Shut-In	Gas Well	Federal
4304731693	Federal 4-1-D	NWNW	04	75	21E	Shut-In	Oil Well	Federal
4304731634	Stirrup Federal 29-3	SESE	29	6S	21E	Shut-In	Oil Well	Federal
4304731623	Federal 33-4-D	NWNW	33	6S	21E	Shut-In	Oil Well	Federal
4304731508	Stirrup Federal 29-2	NWSE	29	6S	21E	Shut-In	Oil Well	Federal
4304730155	Govt 4-14	NWNW	14	68	20E	Shut-In	Oil Well	Federal
4304715609	Wolf Govt Fed 1	NENE	05	7\$	22E	Shut-In	Gas Well	Federal
4304751578	ULT 7-36-3-1E	SW NE	36	3\$	1E	P&A	Oil Well	FEE

## APD APPROVED; NOT SPUDDED

<u>API</u>	<u>Well</u>	Qtr/Qtr	<b>Section</b>	Ţ	<u>R</u>	Well Status	Well Type	Mineral Lease
4304752214	Coleman Tribal 11-17-4-2E	NE SW	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752211	Deep Creek Tribal 5-17-4-2E	(Lot 5) SW NW	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752212	Coleman Tribal 9-17-4-2E	NE SE	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752213	Coleman Tribal 10-17-4-2E	NW SE	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752219	Coleman Tribal 13-17-4-2E	SW SW	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752215	Coleman Tribal 14-17-4-2E	SE SW	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752217	Coleman Tribal 16-17-4-2E	SE SE	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752210	Coleman Tribal 10-18-4-2E	NW SE	18	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752223	Deep Creek Tribal 3-5-4-2E	NE NW	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752222	Deep Creek Tribal 4-25-3-1E	NW NW	25	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752225	Deep Creek Tribal 4-5-4-2E	(Lot 4) NW NW	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752224	Deep Creek Tribal 5-5-4-2E	SW NW	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752226	Deep Creek Tribal 6-5-4-2E	SE NW	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752218	Coleman Tribal 16-18-4-2E	SW SE	18	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752033	Deep Creek 3-25-3-1E	NE NW	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752039	Senatore 12-25-3-1E	NW SW	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752412	Deep Creek 1-16-4-2E	NE NE	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752410	Deep Creek 13-9-4-2E	SW SW	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752411	Deep Creek 15-9-4-2E	SW SE	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752413	Deep Creek 3-16-4-2E	NE NW	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752409	Deep Creek 9-9-4-2E	NE SE	9	48	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752427	Bowers 5-6-4-2E	(Lot 5) SW NW	6	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752428	Bowers 6-6-4-2E	SE NW	6	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752430	Bowers 7-6-4-2E	SW NE	6	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE

4304752431	Bowers 8-6-4-2E	SE NE	6	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752422	Deep Creek 11-15-4-2E	NE SW	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752424	Deep Creek 13-15-4-2E	SW SW	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752425	Deep Creek 15-15-4-2E	SW SE	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752426	Deep Creek 16-15-4-2E	SE SE	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752416	Deep Creek 5-16-4-2E	SW NW	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752418	Deep Creek 7-16-4-2E	SW NE	16	45	2E	Approved Permit (APD); not yet spudded  Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752414	Deep Creek 7-9-4-2E	SW NE	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752415	Deep Creek 11-9-4-2E	NE SW	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752423	ULT 13-5-4-2E	SW SW	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752417	ULT 14-5-4-2E	SE SW	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752123	ULT 12-34-3-1E	NW SW	34	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 3-34-3-1E	NE NW	34	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752125	ULT 10-34-3-1E	NW SE	34	3S	1E	Approved Permit (APD); not yet spudded  Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752123	ULT 10-34-3-1E	NW SE	36	35	1E	Approved Permit (APD); not yet spudded  Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752043	ULT 12-36-3-1E	NW SW	36	35	1E	Approved Permit (APD); not yet spudded  Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752044	ULT 3-36-3-1E	NE NW	36	3S	1E	Approved Permit (APD); not yet spudded  Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752042	ULT 6-35-3-1E	SE NW	35	3\$	1E	the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Oil Well	FEE
4304752048		SE NW SE NE	35	3S	1E	Approved Permit (APD); not yet spudded Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 8-35-3-1E	NW SE	25	35	1E	<u> </u>	<u> </u>	L
	Deep Creek 10-25-3-1E		25	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752032	Deep Creek 1-25-3-1E	NE NE			·	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751919	Deep Creek 14-23-3-1E	SE SW	23	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751921	Deep Creek 14-24-3-1E	SE SW	24	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751922	Deep Creek 15-24-3-1E	SW SE	24	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751923	Deep Creek 16-24-3-1E	SE SE	24	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751926	Deep Creek 6-25-3-1E	SE NW	25	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	Deep Creek 8-25-3-1E	SE NE	25	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751894	ULT 3-35-3-1E	NE NW	35	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751896	Marsh 11-35-3-1E	NE SW	35	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751893	ULT 2-35-3-1E	NW NE	35	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751899	ULT 4-35-3-1E	NW NW	35	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751892	Deep Creek 15-25-3-1E	SW SE	25	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751929	Deep Creek 9-25-3-1E	NE SE	25	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751933	ULT 11-36-3-1E	NE SW	36	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751932	ULT 11-6-4-2E	NE SW	6	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 13-25-3-1E	SW SW	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 13-6-4-2E	SW SW	6	4\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 15-6-4-2E	SW SE	6	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 8-36-3-1E	SE NE	36	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 9-6-4-2E	NE SE	6	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751927	Marsh 12-35-3-1E	NW SW	35	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751935	ULT 1-35-3-1E	NE NE	35	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752451	Deep Creek 12-15-4-2E	NW SW	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752453	Deep Creek 12-32-3-2E	NW SW	32	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752452	Deep Creek 14-15-4-2E	SE SW	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752455	Deep Creek 14-32-3-2E	SE SW	32	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
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4304752445	Deep Creek 14-9-4-2E	SE SW	9	4\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752447	Deep Creek 16-9-4-2E	SE SE	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752446	Deep Creek 2-16-4-2E	NW NE	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752448	Deep Creek 4-16-4-2E	NW NW	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752449	Deep Creek 6-16-4-2E	SE NW	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752450	Deep Creek 8-16-4-2E	SE NE	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752438	Deep Creek 8-9-4-2E	SE NE	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752440	Deep Creek 12-9-4-2E	NW SW	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752206	Ute Tribal 11-16-4-2E	NE SW	16	45	2€	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752197	Ute Tribal 11-4-4-2E	NE SW	4	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752207	Ute Tribal 13-16-4-2E	SW SW	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752198	Ute Tribal 13-4-4-2E	SW SW	4	45	2£	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752201	Ute Tribal 14-10-4-2E	SE SW	10	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752199	Ute Tribal 14-4-4-2E	SE SW	4	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752208	Ute Tribal 15-16-4-2E	SW SE	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752195	Ute Tribal 15-32-3-2E	SW SE	32	35	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752196	Ute Tribal 16-5-4-2E	SE SE	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752202	Ute Tribal 2-15-4-2E	NW NE	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752200	Ute Tribal 4-9-4-2E	Lot 1 NW NW	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752203	Ute Tribal 7-15-4-2E	SW NE	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752204	Ute Tribal 8-15-4-2E	SE NE	<b>1</b> 5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752463	ULT 11-34-3-1E	NE SW	34	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752464	ULT 13-34-3-1E	SW SW	34	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752465	ULT 14-34-3-1E	SE SW	34	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752466	ULT 15-34-3-1E	SW SE	34	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752462	ULT 9-34-3-1E	NE SE	34	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752205	Ute Tribal 9-16-4-2E	NE SE	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752439	Deep Creek 10-9-4-2E	NW SE	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752216	Coleman Tribal 15X-18D-4-2E	SW SE	18	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752888	Womack 4-7-3-1E	NW NW	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752893	Kendall 12-7-3-1E	NW SW	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752911	Kendall 13-7-3-1E	SW SW	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752900	Kendall 15-7-3-1E	SW SE	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752887	Womack 5-8-3-1E	SW NW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752880	Womack 7-8-3-1E	SW NE	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752901	Kendall 9-8-3-1E	NE SE	8	38	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752894	Kendall 11-8-3-1E	NE SW	8	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752897	Kendall 13-8-3-1E	SW SW	8	3\$	1.E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752898	Kendall 16-8-3-1E	SE SE	8	38	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752892	Kendall 5-9-3-1E	SW NW	9	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752899	Kendall 6-9-3-1E	SE NW	9	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752896	Kendall 7-9-3-1E	SW NE	9	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752882	Womack 11-9-3-1E	NE SW	9	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752884	Womack 13-9-3-1E	SW SW	9	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752885	Womack 3-16-3-1E	NE NW	16	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752886	Womack 4-16-3-1E	NW NW	16	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
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4304752889	Womack 5-16-3-1E	SW NW	16	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752890	Womack 6-16-3-1E	SE NW	16	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752895	Kendall 4-17-3-1E	NW NW	17	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752891	Kendall 5-17-3-1E	SW NW	17	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752883	Kendall 11-17-3-1E	NE SW	17	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752881	Kendall 13-17-3-1E	SW SW	17	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752966	Merritt 2-18-3-1E	NW NE	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752967	Merritt 3-18-3-1E	NENW	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752992	Merritt 7-18-3-1E	SW NE	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752508	Gusher Fed 11-1-6-20E	NE SW	1	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752503	Gusher Fed 1-11-6-20E	NE NE	11	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752504	Gusher Fed 11-22-6-20E	NE SW	22	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752507	Gusher Fed 12-15-6-20E	NW SW	15	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752509	Gusher Fed 1-27-6-20E	NE NE	27	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752511	Gusher Fed 1-28-6-20E	NE NE	28	6S	20E	Approved Permit (APD); not yet spudded  Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752311	Gusher Fed 14-3-6-20E	SE SW	3	6S	20E	Approved Permit (APD); not yet spudded  Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752506	Gusher Fed 16-26-6-20E	SE SE	26	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
	<del></del>	NE NW	21	6S	20E		Oil Well	
4304752505 4304752500	Gusher Fed 6 25 6 205	SE NW	25	6S	20E	Approved Permit (APD); not yet spudded Approved Permit (APD); not yet spudded	Oil Well	Federal
	Gusher Fed 6-25-6-20E	SE NE	25	6S	20E		***************************************	Federal
4304752501	Gusher Fed 8-25-6-20E	·	27		<b></b>	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752510	Gusher Fed 9-27-6-20E	NE SE	3	6S 6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752499	Gusher Fed 9-3-6-20E	NW SE	29	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752502	Horseshoe Bend Fed 11-29-6-21E	NE SW			21E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752498	Horseshoe Bend Fed 14-28-6-21E	SE SW	28 7	6S 4S	21E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752472	Coleman Tribal 2-7-4-2E	NW NE			2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752473	Coleman Tribal 4-7-4-2E	NW NW	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752474	Coleman Tribal 6-7-4-2E	SE NW	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752475	Coleman Tribal 8-7-4-2E	SE NE	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752480	Coleman Tribal 2-8-4-2E	NW NE	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752481	Coleman Tribal 4-8-4-2E	NW NW	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752484	Coleman Tribal 6-8-4-2E	SE NW	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752485	Coleman Tribal 8-8-4-2E	SE NE	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752483	Deep Creek Tribal 12-8-4-2E	NW SW	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752476	Deep Creek Tribal 10-7-4-2E	NW SE	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752477	Deep Creek Tribal 12-7-4-2E	NW SW	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752478	Deep Creek Tribal 14-7-4-2E	SE SW	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752479	Deep Creek Tribal 16-7-4-2E	SE SE	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752487	Deep Creek Tribal 10-8-4-2E	NW SE	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752482	Deep Creek Tribal 14-8-4-2E	SE SW	8	<b>4</b> S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752486	Deep Creek Tribal 16-8-4-2E	SE SE	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
43047 <del>52967</del> 52976		NE SW	19	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752978	Deep Creek 12-19-3-2E	Lot 3 (NW SW)	19	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752979	Deep Creek 13-19-3-2E	Lot 4 (SW SW)	19	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752969	Deep Creek 14-19-3-2E	SE SW	19	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752968	Deep Creek 11-20-3-2E	NE SW	20	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752973	Deep Creek 13-20-3-2E	SW SW	20	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE

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4304752987	Gavitte 15-23-3-1E	SW SE	23	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752964	ULT 3-29-3-2E	NE NW	29	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752962	ULT 4-29-3-2E	NW NW	29	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752961	ULT 5-29-3-2E	SW NW	29	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752955	ULT 6-29-3-2E	NE NW	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752983	Deep Creek 10-29-3-2E	NW SE	29	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752959	ULT 11-29-3-2E	NE SW	29	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752960	ULT 13-29-3-2E	SW SW	29	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752963	ULT 14-29-3-2E	Lot 2 (SE SW)	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752975	Deep Creek 15-29-3-2E	SW SE	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752974	Deep Creek 16-29-3-2E	SE SE	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752972	Deep Creek 1-30-3-2E -	NE NE	30	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752970	Deep Creek 5-30-3-2E	Lot 2 (SW NW)	30	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752971	Deep Creek 11-30-3-2E	NE SW	30	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752988	Knight 13-30-3-2E	Lot 4 (SW SW)	30	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752989	Knight 15-30-3-2E	SW SE	30	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752981	Deep Creek 1-31-3-2E	NE NE	31	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752954	ULT 3-31-3-2E	NE NW	31	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752956	ULT 5-31-3-2E	Lot 2 (SW NW)	31	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752984	Deep Creek 7-31-3-2E	SW NE	31	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752957	ULT 11-31-3-2E	NE SW	31	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752958	ULT 13-31-3-2E	Lot 4 (SW SW)	31	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752986	Ute Energy 15-31-3-2E	SW SE	31	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752985	Ute Energy 16-31-3-2E	SE SE	31	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752980	Deep Creek 12-20-3-2E	NW SW	20	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752977	Deep Creek 14-20-3-2E	SE SW	20	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752982	Deep Creek 3-30-3-2E	NE NW	30	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753018	Deep Creek 9-15-4-2E	NE SE	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753019	Deep Creek 10-15-4-2E	NW SE	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753014	Lamb 3-15-4-2E	NE NW	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753015	Lamb 4-15-4-2E	NW NW	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753016	Lamb 5-15-4-2E	SW NW	15	4\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753017	Lamb 6-15-4-2E	SE NW	15	48	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753089	Womack 1-7-3-1E	NE NE	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753093	Womack 2-7-3-1E	NW NE	7	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753094	Womack 3-7-3-1E	NE NW	7	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753088	Kendall 14-7-3-1E	SE SW	7	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753104	Womack 1-8-3-1E	NE NE	8	35 .	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753105	Womack 2-8-3-1E	NW NE	8	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753106	Womack 3-8-3-1E	NE NW	8	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753107	Womack 4-8-3-1E	NW NW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753108	Womack 6-8-3-1E	SE NW	8	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753109	Womack 8-8-3-1E	SE NE	8	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753110	Kendall 10-8-3-1E	NW SE	8	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753111	Kendall 12-8-3-1E	NW SW	8	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753112	Kendall 14-8-3-1E	SE SW	8	.3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
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4304753115	Kendall 15-8-3-1E	SW SE	8	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753114	Kendall 2-9-3-1E	NW NE	9	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753100	Kendall 12-9-3-1E	NW SW	9	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753116	Kettle 3-10-3-1E	NE NW	10	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753117	Kettle 6-10-3-1E	SE NW	10	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753118	Kettle 11-10-3-1E	NE SW	10	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753119	Kettle 12-10-3-1E	NW SW	10	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753099	Kendall 3-17-3-1E	NE NW	17	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753098	Kendall 6-17-3-1E	SE NW	17	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753101	Kendall 12-17-3-1E	NW SW	17	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753120	Kendall 14-17-3-1E	NE SW	17	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753097	Kendall 1-18-3-1E	NE NE	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753096	Kendall 8-18-3-1E	SE NE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753095	Kendall 9-18-3-1E	NE SE	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753091	Kendall 10-18-3-1E	NW SE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753090	Kendall 15-18-3-1E	SW SE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753092	Kendall 16-18-3-1E	SE SE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753146	Kendall Tribal 9-7-3-1E	NE SE	7	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753147	Kendall Tribal 10-7-3-1E	NW SE	7	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753153	Kendall Tribal 11-7-3-1E	NE SW	7	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753152	Kendall Tribal 16-7-3-1E	SE SE	7	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753151	Kendall Tribal 4-18-3-1E	NW NW	18	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753150	Kendall Tribal 5-18-3-1E	SW NW	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753149	Kendall Tribal 11-18-3-1E	NE SW	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753148	Kendall Tribal 12-18-3-1E	NW SW	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753145	Kendall Tribal 13-18-3-1E	SW SW	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753142	Kendall Tribal 14-18-3-1E	SE SW	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753144	Kendall Tribal 1-13-3-1W	NE NE	13	3S	1W	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753143	Kendall Tribal 9-13-3-1W	NE SE	13	35	1W	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753144	Kendall Tribal 1-13-3-1W	NE NE	13	3S	1W	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753143	Kendall Tribal 9-13-3-1W	NE SE	13	35	1W	Approved Permit (APD); not yet spudded	Oil Well	BIA
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### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

	TRA	NSFE	ER OF A	UTHORITY TO INJE	ECT	
Well Name and Number Stirrup State 32-6					API Number 4304732784	
Location of Well					Field or Unit Name Horseshoe Bend	
Footage: 850' FNL & 800' FEL	32	6S	21E	County : Uintah	Lease Designation and Number	

EFFECTIVE DATE OF TRANSFER: 11/30/2012

Company:	Ute Energy Upstream Holdings LLC	Name: Anthony Baldwin
Address:	1875 Lawrence Street, Suite 200	Signature:
	city Denver state CO zip 80202	Title: TREASYNEN.
Phone:	(720) 420-3200	Date: 1/25/2013.
Pnone: Comments		Date: 1/ 25/ 2013.

ompany:	Crescent Point Energy U.S. Corp	_ Name:	Kent Mitchell
ddress:	555 17th Street, Suite 750	_ Signature	11 hours
	city Denver state CO zip 80202	_ Title:	President
none:	(720) 880-3610	_ Date:	1/25/13

(This space for State use only)

Transfer approved by:

Title:

Comments:

EPA Region 8 approval is also FEB non-Approval Date: 2/12/13

DIV. OF OIL, GAS & MINING